The catalog contains products registered in the Russian Federation. More information about products that are also registered in other countries can be found on the website http://www.betaren.ru/
The company focuses on improving the research and production capacity of Russian agriculture chemistry and technology advancements in crop and livestock breeding, the revival of domestic breeding and seed production, and the promotion of innovations.

Our History
Over 145 years of history and traditions
The history of Schelkovo Agrohim dates back to 1876, when one of the leading Russian manufacturers, Ludwig Rabenek, head of the Partnership of Manufactures, established a small plant to produce simple chemicals for local textile factories. This plant laid the groundwork for the multi-profile city-forming chemical plant Schelkovo Agrohim Enterprise, which produced products for a variety of industries and agriculture.

The Schelkovo branch of the All-Russian Research Institute of Chemical Means of Plant Protection (VNIIHSZR) was established in 1963 on the basis of the plant. It was recognised as one of the industry’s leading institutes in the development of effective and safe plant protection products, with a high scientific potential. It included an experimental workshop for testing new pesticide production technologies.

The company Schelkovo Agrohim was founded in 1996 on the basis of the VNIIHSZR and Schelkovo Agrohim Enterprise, which took control of several major pesticide production plants as well as a number of warehouses and offices. However, the main asset was brainpower and people with extensive practical experience, which formed the foundation of the new company’s team.

Starting with a few preparations with a total volume of 1,000 litres, Schelkovo Agrohim has achieved high performance and has become a leader in the production of plant protection chemicals.

The Company Today
25 years of experience in the agricultural market
Schelkovo Agrohim’s strong scientific potential, production capacity, and research capabilities enable it to bring innovative protection solutions to the pesticide market. Today, the company produces about 30 thousand tonnes of goods worth approximately 30 billion rubles. Schelkovo Agrohim sells its products in all agricultural regions of Russia and the countries in the Commonwealth of Independent States (CIS) markets. Sales are handled by regional sales offices, exclusive distributors, 150 sales representatives, and 60 sales offices in 60 cities throughout Russia and abroad. It provides prompt supply of plant protection products and consulting services.

Strong production capabilities
The company’s primary activity is the production of plant protection chemicals. The company’s portfolio includes over 160 products that provide comprehensive crop protection and nutrition. These are modern highly effective preparations from the following groups: herbicides, insecticides, fungicides, seed treatments, fungicides, nematicides, desiccants, pheromones, microbials, amino acids, trace elements, microfertilisers for future dressings, plant growth regulators, etc.

The company has production facilities in Russia, Kazakhstan, and Uzbekistan. The main production is housed in five powerful chemical plants, with more than 35,000 square metres in the laboratory and service areas. The Schelkovo, Moscow Region plant is a cutting-edge production with state-of-the-art technology that is constantly being updated, expanded, and modernised. Robotic complexes, production reactor units, multifunctional installations, and automation systems for various processes are used in the production, which is fully automated. There is also a laboratory, which houses lines for the production of pesticide products. The company has a large COEX containers with a protective barrier layer technology, which has achieved high performance and has become a leader in the production of plant protection chemicals.

The company’s research centre is the Russian Academy of Sciences academician, employs over 130 researchers, and is a member of the Russian Academy of Sciences, Doctors of Science, and Candidates of Chemical, Biological, and Technical Sciences. The company is also a leader in the production of plant protection chemicals.

The VNIIHSZR team stood at the origins of the company’s research. The team gave rise to an experimental workshop for testing new pesticide production technologies and is among them.

Agrohim was associated with the most successful period of Russian history and contributed to the development of the vertically integrated pesticide industry. Schelkovo Agrohim has the capacity to bring innovative practical solutions to the pesticide market that meet global trends and are ahead of standards.

Researchers at the company have developed and commercialised novel preparations, such as, EEC; European Economic Community, as well as original formulations, synthesis modifications, and new technical solutions. These technologies have been adopted by many of Russia’s large companies. This has led to the establishment of the company’s presence in numerous countries, including the world’s most prestigious independent crop production awards, the Agrow Awards and Crop Science Awards, in the categories of Best Innovative Formulation, Best Product, etc.

Chemical research in the centre entails the development of production technologies for active substances, pesticides, and pharmaceutical ingredients, the creation of new formulations, the discovery of new active substances, and effective combinations of active substances and their development for various analytical tests. A Biological Laboratory was established at the company to help in biological effectiveness, environmental impact, and toxicological, environmental, and other characteristics.

Research Centre
Schelkovo Agrohim ranks first among Russian companies in terms of research capabilities. The VNIIHSZR team stood at the origins of the company’s research. The team gave rise to an experimental workshop for testing new pesticide production technologies and is among them. The company’s research centre is now on par with the largest research institutes in Russia. The centre, which is led by a Russian Academy of Sciences academian, employs over 130 researchers, and is a member of the Russian Academy of Sciences, Doctors of Science, and Candidates of Chemical, Biological, and Technical Sciences.

The centre provides comprehensive research, which would be impossible to imagine without innovations and modern technologies that provide maximum and sustainable benefits to the company. Schelkovo Agrohim offers agricultural producers the opportunity to purchase high-quality seeds and hybrid crops, such as cotton and sunflower, wheat, soybeans, peas, buckwheat, sugar beet, sunflower, and corn.

Seed breeding and production
In terms of seed breeding and production, Schelkovo Agrohim focuses on creating an integrated commercial production cycle for seeds of major crops. Seed breeding and production are considered a priority, as well as the introduction of new seeds and seed production, which were established as part of the project. Seed plants were built and put into operation for the industrial production of seeds for sowing. As a result, Schelkovo Agrohim covers the production of high-quality seeds for agricultural producers.

The company’s primary activity is the production of plant protection chemicals, agrochemicals, and seeds for large-scale agricultural production, farming, and personal subsidiary plots.

BRETAGEN RAMON
Production of plant protection chemicals, agrochemicals, and seeds for large-scale agricultural production, farming, and personal subsidiary plots.

Selection and genetic centre for new generation sugar beet hybrids

Cable breeding facility for the production of sparn and embryos

Production of nets for protecting intensive-type gardens from hail and birds

BRETAGEN BETMAT
Intensive-type gardens

Production of pelleted sugar beet seeds, preparation of sunflower seeds and other crops

Official dealer of Italian agricultural machinery (Projet and Mascar)
Comprehensive crop protection systems

- Comprehensive protection of cereal crops
- Comprehensive protection of sugar beet
- Comprehensive protection of soybean
- Comprehensive protection of peas
- Comprehensive protection of sunflower
- Comprehensive protection of maize
- Comprehensive protection of fibre flax and oil flax
- Comprehensive protection of rapeseed
- Comprehensive protection of potato
- Comprehensive protection of apple trees
- Comprehensive protection of grapes
### Comprehensive protection of cereal crops

<table>
<thead>
<tr>
<th>Harmful object</th>
<th>Stage</th>
<th>Treatment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Loose smut, sminking smut, Fusarium root rot, Helminthosporium root rot, powdery mildew, seed molding, Fusarium mold</td>
<td>Pre-emergence</td>
<td>Benefis, ME 0.6-0.8 l/t</td>
</tr>
<tr>
<td>Fusarium root rot, Fusarium mold, Cercospora spot, Helminthosporium blight, powdery mildew</td>
<td>Pre-emergence</td>
<td>Heraklion, SC 1.0-1.2 l/t</td>
</tr>
<tr>
<td>Powdery mildew, Helminthosporium blight, Septoria blight, Fusarium head blight, tan spot, Rhynchosporium leaf spot</td>
<td>Pre-emergence</td>
<td>Polaris, ME 1.0-1.5 l/t</td>
</tr>
<tr>
<td>Fusarium root rot, Fusarium mold, Cercosporella spot, Helminthosporium blight, powdery mildew</td>
<td>Pre-emergence</td>
<td>Polaris Quatro, SME 1.2-1.5 l/t</td>
</tr>
<tr>
<td>Fusarium root rot, Fusarium mold, Cercosporella spot, Helminthosporium blight, powdery mildew</td>
<td>Pre-emergence</td>
<td>Protego Max, ME 0.8-1.0 l/t</td>
</tr>
<tr>
<td>Fusarium root rot, Fusarium mold, Cercosporella spot, Helminthosporium blight, powdery mildew</td>
<td>Pre-emergence</td>
<td>Scarlet, ME 0.3-0.4 l/t</td>
</tr>
<tr>
<td>Fusarium root rot, Fusarium mold, Cercosporella spot, Helminthosporium blight, powdery mildew</td>
<td>Pre-emergence</td>
<td>Tebu 60, ME 0.4-0.5 l/t</td>
</tr>
<tr>
<td>Fusarium root rot, Fusarium mold, Cercosporella spot, Helminthosporium blight, powdery mildew</td>
<td>Pre-emergence</td>
<td>Tuareg, SME 1.0-1.4 l/t</td>
</tr>
<tr>
<td>Fusarium root rot, Cercosporella spot, Helminthosporium blight, powdery mildew</td>
<td>Pre-emergence</td>
<td>Fungional Express, SC 0.25-0.32 l/ha</td>
</tr>
<tr>
<td>Fusarium root rot, Cercosporella spot, Helminthosporium blight, powdery mildew</td>
<td>Pre-emergence</td>
<td>ZIM 500, SC 0.3-0.6 l/ha</td>
</tr>
<tr>
<td>Fusarium root rot, Cercosporella spot, Helminthosporium blight, powdery mildew</td>
<td>Pre-emergence</td>
<td>Azorro, SC 0.8-1.0 l/ha</td>
</tr>
<tr>
<td>Fusarium root rot, Cercosporella spot, Helminthosporium blight, powdery mildew</td>
<td>Pre-emergence</td>
<td>Titul DUO, CSC 0.25-0.32 l/ha</td>
</tr>
<tr>
<td>Fusarium root rot, Cercosporella spot, Helminthosporium blight, powdery mildew</td>
<td>Pre-emergence</td>
<td>Titul Trio, CSC 0.4-0.6 l/ha</td>
</tr>
<tr>
<td>Fusarium root rot, Cercosporella spot, Helminthosporium blight, powdery mildew</td>
<td>Pre-emergence</td>
<td>Capella, ME 0.8-1.0 l/ha</td>
</tr>
<tr>
<td>Fusarium root rot, Cercosporella spot, Helminthosporium blight, powdery mildew</td>
<td>Pre-emergence</td>
<td>Ace, CSC 0.6-1.0 l/ha</td>
</tr>
<tr>
<td>Fusarium root rot, Cercosporella spot, Helminthosporium blight, powdery mildew</td>
<td>Pre-emergence</td>
<td>Benazol, WP 0.3-0.6 kg/ha</td>
</tr>
<tr>
<td>Fusarium root rot, Cercosporella spot, Helminthosporium blight, powdery mildew</td>
<td>Pre-emergence</td>
<td>ZIM 500, SC 0.3-0.6 l/ha</td>
</tr>
<tr>
<td>Fusarium root rot, Cercosporella spot, Helminthosporium blight, powdery mildew</td>
<td>Pre-emergence</td>
<td>Kinfos, EC 0.15-0.25 l/ha</td>
</tr>
<tr>
<td>Fusarium root rot, Cercosporella spot, Helminthosporium blight, powdery mildew</td>
<td>Pre-emergence</td>
<td>Tagor, EC 1.0-1.5 l/ha</td>
</tr>
<tr>
<td>Fusarium root rot, Cercosporella spot, Helminthosporium blight, powdery mildew</td>
<td>Pre-emergence</td>
<td>Beretta, OD 0.3 l/ha</td>
</tr>
<tr>
<td>Fusarium root rot, Cercosporella spot, Helminthosporium blight, powdery mildew</td>
<td>Pre-emergence</td>
<td>Faskord, EC 0.1-0.15 l/ha</td>
</tr>
<tr>
<td>Fusarium root rot, Cercosporella spot, Helminthosporium blight, powdery mildew</td>
<td>Pre-emergence</td>
<td>Espero, SC 0.1 l/ha</td>
</tr>
<tr>
<td>Fusarium root rot, Cercosporella spot, Helminthosporium blight, powdery mildew</td>
<td>Pre-emergence</td>
<td>Sparring, OD 0.1-0.3 l/ha</td>
</tr>
<tr>
<td>Fusarium root rot, Cercosporella spot, Helminthosporium blight, powdery mildew</td>
<td>Pre-emergence</td>
<td>Meadows, OD 0.05-0.75 l/ha</td>
</tr>
<tr>
<td>Fusarium root rot, Cercosporella spot, Helminthosporium blight, powdery mildew</td>
<td>Post-emergence</td>
<td>Sprut Extra, SL 1.4-4.0 l/ha</td>
</tr>
<tr>
<td>Fusarium root rot, Cercosporella spot, Helminthosporium blight, powdery mildew</td>
<td>Post-emergence</td>
<td>Uniko, CSC 1.0-1.5 l/ha</td>
</tr>
<tr>
<td>Fusarium root rot, Cercosporella spot, Helminthosporium blight, powdery mildew</td>
<td>Post-emergence</td>
<td>Pixel, OD 0.25-0.3 l/ha</td>
</tr>
<tr>
<td>Fusarium root rot, Cercosporella spot, Helminthosporium blight, powdery mildew</td>
<td>Post-emergence</td>
<td>Pinta, OD 0.1-0.15 l/ha</td>
</tr>
<tr>
<td>Fusarium root rot, Cercosporella spot, Helminthosporium blight, powdery mildew</td>
<td>Post-emergence</td>
<td>Fortissimo, OD 0.4-0.7 l/ha</td>
</tr>
<tr>
<td>Fusarium root rot, Cercosporella spot, Helminthosporium blight, powdery mildew</td>
<td>Post-emergence</td>
<td>Lintaplant, SL 0.7-1.5 l/ha</td>
</tr>
<tr>
<td>Fusarium root rot, Cercosporella spot, Helminthosporium blight, powdery mildew</td>
<td>Post-emergence</td>
<td>Lornet, SL 0.16-0.66 l/ha</td>
</tr>
<tr>
<td>Fusarium root rot, Cercosporella spot, Helminthosporium blight, powdery mildew</td>
<td>Post-emergence</td>
<td>Zontran, CSC* 0.3-0.5 l/ha</td>
</tr>
<tr>
<td>Fusarium root rot, Cercosporella spot, Helminthosporium blight, powdery mildew</td>
<td>Post-emergence</td>
<td>Zinger, WP 0.008-0.01 kg/ha</td>
</tr>
<tr>
<td>Fusarium root rot, Cercosporella spot, Helminthosporium blight, powdery mildew</td>
<td>Post-emergence</td>
<td>Granat, WG 0.015-0.025 kg/ha</td>
</tr>
<tr>
<td>Fusarium root rot, Cercosporella spot, Helminthosporium blight, powdery mildew</td>
<td>Post-emergence</td>
<td>Primadonna, SE 0.4-0.5 l/ha</td>
</tr>
<tr>
<td>Fusarium root rot, Cercosporella spot, Helminthosporium blight, powdery mildew</td>
<td>Post-emergence</td>
<td>Primadonna Super, CSC 0.4-0.75 l/ha</td>
</tr>
<tr>
<td>Fusarium root rot, Cercosporella spot, Helminthosporium blight, powdery mildew</td>
<td>Post-emergence</td>
<td>Fenizan, SL 0.14-0.2 l/ha</td>
</tr>
<tr>
<td>Fusarium root rot, Cercosporella spot, Helminthosporium blight, powdery mildew</td>
<td>Post-emergence</td>
<td>Drotik, CSC 0.4-0.9 l/ha</td>
</tr>
<tr>
<td>Fusarium root rot, Cercosporella spot, Helminthosporium blight, powdery mildew</td>
<td>Post-emergence</td>
<td>Damba, SL 0.15-0.3 l/ha</td>
</tr>
<tr>
<td>Fusarium root rot, Cercosporella spot, Helminthosporium blight, powdery mildew</td>
<td>Post-emergence</td>
<td>Femida, OD 0.7-0.9 l/ha</td>
</tr>
</tbody>
</table>

**Notes:**
- Only used on winter crops in autumn.
## Comprehensive protection of sugar beet

<table>
<thead>
<tr>
<th>Harmful object</th>
<th>Before sowing, before planting</th>
<th>Before sowing</th>
<th>before sprouting</th>
<th>cotyledons</th>
<th>two true leaves</th>
<th>four true leaves</th>
<th>six true leaves</th>
<th>eight true leaves</th>
<th>50% closing of the rows</th>
<th>30-60 days before harvesting</th>
<th>Treatment of root crops before piling for storage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Annual grass and dicotyledonous weeds</td>
<td>Sprut Extra, SL 1,4-2,0 l/ha</td>
<td>Acetal PRO, EC 2,5-3,0 l/ha</td>
<td>Cole, EC 0,5-1,0 l/ha</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Annual grass and dicotyledonous weeds, including Elymus, Bromus, and Hordeum species</td>
<td>Sprut Extra, SL 0,5-1,0 l/ha</td>
<td>Sprut Express A&amp;H, ED 0,5-1,0 l/ha</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Annual dicotyledonous weeds, including Poaceae and Commelinaceae</td>
<td>Sprut Express A&amp;H, ED 0,5-1,0 l/ha</td>
<td>Action, EC 0,5 l/ha</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thistle, chamomile, knotweed, and lettuce species</td>
<td>Lornet, SL 0,3 l/ha</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Annual grass weeds</td>
<td>Healer, OEC 1,0-1,5 l/ha</td>
<td>Forward, OEC 0,9-1,2 l/ha</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Perennial grass weeds</td>
<td>Healer, OEC 1,0-1,5 l/ha</td>
<td>Forward, OEC 1,2-2,0 l/ha</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Powdery mildew, Cercospora spot, Phoma rot</td>
<td>Benazol, WP 0,6-0,8 kg/ha</td>
<td>Titul 390, CSC 0,26 l/ha</td>
<td>Mysteria, ME 1,0-1,25 l/ha</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Root and grey rots</td>
<td>Kagatnik, SL 2,0 l/ha</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Beet flea beetles, weevils, aphids, soil webworms, Phytophaga betae, sugar beet weevil, cutworms</td>
<td>Imidor, SL 0,1-0,4 l/ha</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Micro- and organo-mineral fertilizers for foliar dressings</td>
<td>Biocomposite Destruct</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Microbiological fertilizers</td>
<td>Biocomposite Correct</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Note:** Treatment includes both sprays and pre-sowing preparations.
### Comprehensive protection of soybean

<table>
<thead>
<tr>
<th>Harmful object</th>
<th>seeds</th>
<th>before sowing</th>
<th>cowning-before sprouting</th>
<th>frondescence</th>
<th>development of shoots</th>
<th>branching</th>
<th>budding</th>
<th>flowering</th>
<th>pod and seed development</th>
<th>seed filling</th>
<th>ripening</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>00</td>
<td>08</td>
<td>10</td>
<td>12-13</td>
<td>21-49</td>
<td>51-59</td>
<td>60-70</td>
<td>71-77</td>
<td>82-85</td>
<td></td>
</tr>
<tr>
<td>Annual and perennial grass and dicotyledonous weeds</td>
<td></td>
<td>Sprout Extra, SL 1:10-13 l/ha</td>
<td>Agraz, OEC, CDEC 0.03-0.12 l/ha</td>
<td>Agraz, SL 0.15-0.30 l/ha</td>
<td>Agraz, OEC 0.06-0.12 l/ha</td>
<td>Agraz, OEC 0.03-0.06 l/ha</td>
<td>Agraz, SL 0.15-0.30 l/ha</td>
<td>Agraz, OEC 0.06-0.12 l/ha</td>
<td>Agraz, OEC 0.03-0.06 l/ha</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Annual grass and dicotyledonous weeds</td>
<td></td>
<td>Veria, OEC 0.00-0.02 l/ha</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Annual and some perennial dicotyledonous and grass weeds</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Annual and some perennial dicotyledonous weeds</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Annual and some perennial dicotyledonous weeds, including common cocklebur</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Annual dicotyledonous weeds</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Annual dicotyledonous weeds, including common cocklebur</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Annual and perennial grass weeds</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fusarium root rot, Ascochyta blight, Fusarium blight, seed mold</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ascochyta blight, cancer, Septoria blight, Fusarium blight, Pyrenochaeta spinosa, downy mildew</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Seedling pests</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sod webworms, soybean pod borer, spider mite, cotton budworm, lima bean pod borer</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Desiccation and prevention of pod shatter</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Micro- and organo-mineral fertilizers for pre-sowing seed treatments, root top and foliar dressings</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Microbial fertilizers</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inoculant</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**WEEDS**

- Annual and perennial grass and dicotyledonous weeds:
  - Sprout Extra, SL 1:10-13 l/ha
  - Agraz, OEC, CDEC 0.03-0.12 l/ha
  - Agraz, SL 0.15-0.30 l/ha
  - Agraz, OEC 0.06-0.12 l/ha
  - Agraz, OEC 0.03-0.06 l/ha
- Annual grass and dicotyledonous weeds:
  - Veria, OEC 0.00-0.02 l/ha
- Annual and some perennial dicotyledonous and grass weeds:
  - Veria, OEC 0.00-0.02 l/ha
- Annual and some perennial dicotyledonous weeds, including common cocklebur:
  - Veria, OEC 0.00-0.02 l/ha
- Annual dicotyledonous weeds:
  - Veria, OEC 0.00-0.02 l/ha
- Annual dicotyledonous weeds, including common cocklebur:
  - Veria, OEC 0.00-0.02 l/ha
- Annual and perennial grass weeds:
  - Veria, OEC 0.00-0.02 l/ha

**DISEASES**

- Fusarium root rot, Ascochyta blight, Fusarium blight, seed mold:
  - Benefis Supreme, ME 0.6-0.8 l/t
  - Benefis, ME 0.6-0.8 l/t
  - Scarlet, ME 0.6-0.8 l/t
  - Depozit Supreme, ME 1.0-1.2 l/t
  - Depozit, ME 1.0-1.2 l/t
- Ascochyta blight, cancer, Septoria blight, Fusarium blight, Cercospora spot, downy mildew:
  - Vintage, ME 0.6-0.8 l/t
  - Mysteria, ME 1.0-1.2 l/t
  - Azoron, SC 0.6-1.0 l/t

**PESTS**

- Seedling pests:
  - Imidor PRO, SC 2.0-2.5 l/t
  - Akardo, CSC 0.4-0.5 l/ha
  - Kinfos, EC 0.3-0.5 l/ha
  - Pirelli, SC 0.8-1.0 l/ha
  - Karachar, EC 0.4 l/ha
  - Mekar, ME 0.4-0.6 l/ha
  - Diflomite, SC 0.3 l/ha
  - Espero, SC 0.15-0.2 l/ha
  - Yunona, ME 0.2-0.4 l/ha

**DESSICATION AND PREVENTION OF POD SHATTER**

- Tongara, SL 1.5-2.0 l/ha

**MICRO- AND ORGANO-MINERAL FERTILIZERS**

- Potassium Humate Suffer
- Biostim Start
- Biostim Oilsand
- Biostim Universal
- Ultragrow Combi for Legumes
- Ultragrow Boron
- Ultragrow Phosphorus Active/ Super
- Ultragrow Super Sulfur–900
- Ultragrow Potassium

**BIOLOGICAL FERTILIZERS**

- Biocomposite Correct
- Biocomposite Correct
- Biocomposite Correct
- Biocomposite Correct
- Biocomposite Correct
- Biocomposite Correct

**INOCCULANT**

- Biofarm Soybean
# Comprehensive protection of peas

<table>
<thead>
<tr>
<th>Harmful object</th>
<th>seeds</th>
<th>before sowing</th>
<th>1-3 leaves</th>
<th>3-5 leaves</th>
<th>6-4 leaves</th>
<th>stem branching</th>
<th>budding</th>
<th>flowering</th>
<th>pod formation</th>
<th>seed filling</th>
<th>seed opening</th>
</tr>
</thead>
<tbody>
<tr>
<td>Annual grass and dicotyledonous weeds</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sprut Extra, SL</td>
<td>1,4-2,5 l/ha</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Perennial grass and dicotyledonous weeds</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sprut Extra, SL</td>
<td>2,5 - 4,0 l/ha</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Annual and some perennial dicotyledonous and grass weeds</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hermes, OD</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Geizer, CSC</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Annual dicotyledonous weeds, including those resistant to MCPA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hermes, OD</td>
<td>0,7-0,9 l/ha</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Geizer, CSC</td>
<td>2,0-3,0 l/ha</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Annual grass weeds</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hermes, OD</td>
<td>0,9-1,2 l/ha</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Perennial grass weeds</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hermes, OD</td>
<td>1,2-2,0 l/ha</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fusarium root rot, Aecoscypha blight, Fusarium blight, seed mold</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scarlet, ME</td>
<td>0,3-0,4 l/t</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Depozit, ME</td>
<td>1,0-1,2 l/t</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Depozit Supreme, ME</td>
<td>1,0-1,2 l/t</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Heraklion, SC</td>
<td>1,0-1,2 l/t</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ascochyta blight, canker, rust, powdery mildew</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scarlet, ME</td>
<td>0,8-1,0 l/ha</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Titul DUO, CSC</td>
<td>0,32-0,4 l/ha</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sod webworms, pea moth, spider mite, pea weevil, pea aphid</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kinfos, EC</td>
<td>0,25-0,4 l/ha</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Faskord, EC</td>
<td>0,1 l/ha</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Espero, SC</td>
<td>0,1-0,2 l/ha</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Seedling pests</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Imidor PRO, SC</td>
<td>0,75- 1,25 l/t</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Desiccation</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tongara, SL</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Selfi</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Micro- and organo-mineral fertilizers for pre-sowing seed treatments, root top and foliar dressings</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Potassium Humate Sulfate, Potassium Molybdenum, Ultramag Molybdenum</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ultramag Combi for legumes, Ultramag Boron</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ultramag Molybdenum</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ultramag Super Sulfur-S-900</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Biostim Universal</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Biostim Oilseed</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Potassium</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ultramag</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Microbiological fertilizers</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Biocomposite Correct</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Biocomposite Contact</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inoculant</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bioform Peas</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Comprehensive protection of sunflower

<table>
<thead>
<tr>
<th>Harmful object</th>
<th>seeds; before sowing</th>
<th>seeding – before sprouting</th>
<th>seedlings</th>
<th>2-4 true leaves</th>
<th>6-8 true leaves</th>
<th>budding</th>
<th>anthodium formation</th>
<th>seed ripening</th>
<th>ripeness</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stem blight, white-mold (fruit form), grey mould (seed infection), Fusarium root rot, seed mildew</td>
<td>Scarlet, ME 0,4 l/t</td>
<td>Azolitium, SC 0,8-1,2 l/t</td>
<td>Hermes, ME 0,5-1,0 l/t</td>
<td>Titul Duo, CSC 1,4-1,5 l/ha</td>
<td>Mysteria, ME 1,2-1,5 l/ha</td>
<td>Titul Trio, CSC 0,4-0,5 l/ha</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rhizoctonia root rot, dry rot of heads, Akebia blight, white and grey mildew</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wireworms, Ophioloma squalidum, etc.</td>
<td>Scarlet PRO, SC 1,5 l/t</td>
<td>Herkulan, SC 0,5-1,0 l/t</td>
<td>Kinfus, EC 0,25-0,4 l/ha</td>
<td>Espero, SC 0,25-0,3 l/t</td>
<td>Yunana, ME 0,2-0,4 l/ha</td>
<td>Sparring, OD 0,25-0,3 l/ha</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cut worms, cabbage moths, cotton budworm, soil wireworms</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Annual and dicotyledonous weeds</td>
<td>Sprut Extra, SL 1,4-2,5 l/ha</td>
<td>Acetal PRO, EC 2,0-3,5 l/ha</td>
<td>Estemp, EC 3,0-4,0 l/ha</td>
<td>Varisp, CSC 1,5-2,0 l/ha</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Annual and some perennial dicotyledonous weeds</td>
<td>Sprut Extra, SL 1,4-2,5 l/ha</td>
<td>Acetal PRO, EC 2,0-3,5 l/ha</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Perennial and dicotyledonous weeds</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Annual and perennial grass weeds</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Desiccation</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Micro- and organo-mineral fertilizers for pre-sowing seed treatments, root top and foliar dressings</td>
<td>Potassium Humate Suffer BioStart</td>
<td>Ultramax Phosphorous Active/ Super</td>
<td>UltraMax Chelate Zn+Fe</td>
<td>Biostim Universal</td>
<td>Potassium Humate Suffer</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Microbiological fertilizers</td>
<td>Biocomposite Correct</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Hermes, OD: for imidazolinone-resistant sunflower varieties and hybrids
** Sanflo, WG: for tribenuron-methyl resistant sunflower varieties and hybrids
Comprehensive protection of maize

<table>
<thead>
<tr>
<th>Harmful object</th>
<th>seeds, before sprouting</th>
<th>seedlings</th>
<th>3-5 leaves</th>
<th>5-7 leaves</th>
<th>stem elongation</th>
<th>tasselling - flowering</th>
<th>harvest formation - ripening</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soil rot, head smut, Sclerotium root and foot rot, Fusarium blight, seed and ear mold</td>
<td>Scarlet, MI 0.4 l</td>
<td>10</td>
<td>13-16</td>
<td>17</td>
<td>31-39</td>
<td>51-65</td>
<td>85-89</td>
</tr>
<tr>
<td>Wireworms, cutworms</td>
<td>intislor PRO, SC 0.1-0.3 l</td>
<td>00</td>
<td>10</td>
<td>13-16</td>
<td>17</td>
<td>31-39</td>
<td>51-65</td>
</tr>
<tr>
<td>European corn borer, red webworm, cotton budworm, polychaetous pests, aphids, leafhoppers, etc.</td>
<td>Kinfa, EC 0.25-0.4 l/ha</td>
<td>0,4 l/t</td>
<td>0.04 l/ha</td>
<td>0.15 l/ha</td>
<td>0.2 l/ha</td>
<td>0.2-0.4 l/ha</td>
<td></td>
</tr>
<tr>
<td>Annual and perennial dicotyledonous and grass weeds</td>
<td>Sprut Extra, SL 14-40 l/ha</td>
<td>0.4-0.6 l/ha</td>
<td>0.15-0.25 l/ha</td>
<td>0.1-0.2 l/ha</td>
<td>0.1-0.2 l/ha</td>
<td>0.15-0.25 l/ha</td>
<td>0.2-0.4 l/ha</td>
</tr>
<tr>
<td>Annual grass and dicotyledonous seeds</td>
<td>Octavia, GD 0.10-1.0 l/ha</td>
<td>0.2-0.3 l/ha</td>
<td>0.1 l/ha</td>
<td>0.15 l/ha</td>
<td>0.15 l/ha</td>
<td>0.2-0.3 l/ha</td>
<td>0.2-0.4 l/ha</td>
</tr>
<tr>
<td>Annual dicotyledonous seeds, including those resistant to 2,4-D and triazines</td>
<td>Espero, SC 0.15-0.25 l/ha</td>
<td>0.15-0.25 l/ha</td>
<td>0.1 l/ha</td>
<td>0.15 l/ha</td>
<td>0.15 l/ha</td>
<td>0.2-0.3 l/ha</td>
<td>0.2-0.4 l/ha</td>
</tr>
<tr>
<td>Annual dicotyledonous, annual and perennial grass weeds</td>
<td>Acetol PRO, EC 2.0-3.0 l/ha</td>
<td>1.4-4.0 l/ha</td>
<td>0.2-0.3 l/ha</td>
<td>0.2-0.3 l/ha</td>
<td>0.2-0.3 l/ha</td>
<td>0.2-0.3 l/ha</td>
<td>0.2-0.3 l/ha</td>
</tr>
<tr>
<td>Annual dicotyledonous weeds</td>
<td>Espero, SC 0.04-0.1 l/ha</td>
<td>0.04-0.1 l/ha</td>
<td>0.02-0.03 l/ha</td>
<td>0.02-0.03 l/ha</td>
<td>0.02-0.03 l/ha</td>
<td>0.02-0.03 l/ha</td>
<td>0.02-0.03 l/ha</td>
</tr>
<tr>
<td>Annual and perennial dicotyledonous weeds</td>
<td>Kastoria, SP 0.01-0.02 l/ha</td>
<td>0.01-0.02 l/ha</td>
<td>0.01-0.02 l/ha</td>
<td>0.01-0.02 l/ha</td>
<td>0.01-0.02 l/ha</td>
<td>0.01-0.02 l/ha</td>
<td>0.01-0.02 l/ha</td>
</tr>
<tr>
<td>Annual dicotyledonous weeds, including those resistant to DCPA and MCPA, some perennial dicotyledonous weeds</td>
<td>Primadonna, SE 0.35-0.5 l/ha</td>
<td>0.35-0.5 l/ha</td>
<td>0.25-0.35 l/ha</td>
<td>0.25-0.35 l/ha</td>
<td>0.25-0.35 l/ha</td>
<td>0.25-0.35 l/ha</td>
<td>0.25-0.35 l/ha</td>
</tr>
<tr>
<td>Thistle, chamomile, and lettuce species</td>
<td>Primadonna Super, CSC 0.35-0.5 l/ha</td>
<td>0.35-0.5 l/ha</td>
<td>0.25-0.35 l/ha</td>
<td>0.25-0.35 l/ha</td>
<td>0.25-0.35 l/ha</td>
<td>0.25-0.35 l/ha</td>
<td>0.25-0.35 l/ha</td>
</tr>
<tr>
<td>Annual dicotyledonous, annual and perennial grass weeds</td>
<td>Lornet, SL 0.05 l/ha</td>
<td>0.05 l/ha</td>
<td>0.05 l/ha</td>
<td>0.05 l/ha</td>
<td>0.05 l/ha</td>
<td>0.05 l/ha</td>
<td>0.05 l/ha</td>
</tr>
<tr>
<td>Annual dicotyledonous, including those resistant to 2,4-D and MCPA, some perennial dicotyledonous weeds</td>
<td>Lornet, SL 0.05 l/ha</td>
<td>0.05 l/ha</td>
<td>0.05 l/ha</td>
<td>0.05 l/ha</td>
<td>0.05 l/ha</td>
<td>0.05 l/ha</td>
<td>0.05 l/ha</td>
</tr>
<tr>
<td>Annual dicotyledonous, annual and perennial grass weeds</td>
<td>Lornet, SL 0.05 l/ha</td>
<td>0.05 l/ha</td>
<td>0.05 l/ha</td>
<td>0.05 l/ha</td>
<td>0.05 l/ha</td>
<td>0.05 l/ha</td>
<td>0.05 l/ha</td>
</tr>
<tr>
<td>Microbiological fertilizers</td>
<td>Biocomposite Destruct</td>
<td>Biocomposite Destruct</td>
<td>Biocomposite Correct</td>
<td>Biocomposite Correct</td>
<td>Biocomposite Correct</td>
<td>Biocomposite Correct</td>
<td>Biocomposite Correct</td>
</tr>
</tbody>
</table>
### Comprehensive protection of fibre flax and oil flax

<table>
<thead>
<tr>
<th>Harmful object</th>
<th>seeds</th>
<th>before sowing</th>
<th>sowing - seedlings</th>
<th>sprouting</th>
<th>'herringbone' phase</th>
<th>budding</th>
<th>flowering</th>
<th>ripening</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canker, mottle disease</td>
<td>Tebu 60, ME</td>
<td>0.4-0.5 l/t</td>
<td>00</td>
<td>00</td>
<td>10</td>
<td>14-16</td>
<td>55</td>
<td>65</td>
</tr>
<tr>
<td>Large-flax flea beetles: Aphithona euphorbiae, Aphithona flaviceps, etc.</td>
<td>Imidor FHD, SC</td>
<td>0.2-0.3 l/t</td>
<td>00</td>
<td>00</td>
<td>10</td>
<td>14-16</td>
<td>55</td>
<td>65</td>
</tr>
<tr>
<td>Flea beetles, Laspeyresia, thrips, silver moth</td>
<td>Karachor, SC</td>
<td>0.5-0.7 l/ha</td>
<td>00</td>
<td>00</td>
<td>10</td>
<td>14-16</td>
<td>55</td>
<td>65</td>
</tr>
<tr>
<td>Flea beetles, Laspeyresia, thrips, silver moth</td>
<td>Faskord, EC*</td>
<td>0.3-0.5 l/ha</td>
<td>00</td>
<td>00</td>
<td>10</td>
<td>14-16</td>
<td>55</td>
<td>65</td>
</tr>
</tbody>
</table>

#### PESTS
- Large flax flea beetles: Aphithona euphorbiae, Aphithona flaviceps, etc.
- Flea beetles, Laspeyresia, thrips, silver moth

<table>
<thead>
<tr>
<th>Disease</th>
<th>Treatment</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canker, mottle disease</td>
<td>Tebu 60, ME</td>
<td>0.4-0.5 l/t</td>
</tr>
<tr>
<td>Vintage, ME</td>
<td>0.6-1.0 l/ha</td>
<td></td>
</tr>
<tr>
<td>Large-flax flea beetles: Aphithona euphorbiae, Aphithona flaviceps, etc.</td>
<td>Imidor FHD, SC</td>
<td>0.2-0.3 l/t</td>
</tr>
<tr>
<td>Flea beetles, Laspeyresia, thrips, silver moth</td>
<td>Karachor, SC</td>
<td>0.5-0.7 l/ha</td>
</tr>
<tr>
<td>Faskord, EC*</td>
<td>0.3-0.5 l/ha</td>
<td></td>
</tr>
</tbody>
</table>

#### DISEASES
- Canker, mottle disease

<table>
<thead>
<tr>
<th>Disease</th>
<th>Treatment</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canker, mottle disease</td>
<td>Tebu 60, ME</td>
<td>0.4-0.5 l/t</td>
</tr>
<tr>
<td>Vintage, ME</td>
<td>0.6-1.0 l/ha</td>
<td></td>
</tr>
</tbody>
</table>

#### WEEDS
- Annual grass and dicotyledonous weeds
- Perennial grass and dicotyledonous weeds
- Annual dicotyledonous weeds, including those resistant to 2,4-D and MCPA, and some perennial dicotyledonous weeds
- Annual dicotyledonous weeds

<table>
<thead>
<tr>
<th>Weed type</th>
<th>Treatment</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Annual grass and dicotyledonous weeds</td>
<td>Sprut Extra, SL*</td>
<td>1.4-2.5 l/ha</td>
</tr>
<tr>
<td>Annual grass and dicotyledonous weeds</td>
<td>Sprut Extra, SL</td>
<td>2.5-4.0 l/ha</td>
</tr>
<tr>
<td>Annualdicotyledonous weeds (wheat, grass)</td>
<td>Forward, OEC*</td>
<td>0.9-1.2 l/ha</td>
</tr>
<tr>
<td>Annual dicotyledonous weeds</td>
<td>Healer, OEC</td>
<td>0.75-1.0 l/ha</td>
</tr>
<tr>
<td>Annual dicotyledonous weeds</td>
<td>Censor Max, OEC*</td>
<td>0.6-0.7 l/ha</td>
</tr>
<tr>
<td>Annual dicotyledonous weeds</td>
<td>Limentl, SL*</td>
<td>1.2-2.0 l/ha</td>
</tr>
<tr>
<td>Annual dicotyledonous weeds</td>
<td>Healer, OEC</td>
<td>1.0-1.5 l/ha</td>
</tr>
<tr>
<td>Annual dicotyledonous weeds</td>
<td>Censor Max, OEC*</td>
<td>1.4-1.6 l/ha</td>
</tr>
<tr>
<td>Annual dicotyledonous weeds, including those resistant to 2,4-D</td>
<td>Zinger, WP</td>
<td>0.007-0.01 kg/ha</td>
</tr>
<tr>
<td>Annual dicotyledonous weeds</td>
<td>Zinger, WP</td>
<td>0.005-0.007 kg/ha</td>
</tr>
<tr>
<td>Annual dicotyledonous weeds, including those resistant to 2,4-D</td>
<td>Lintaplant, SL</td>
<td>0.3 l/ha</td>
</tr>
<tr>
<td>Annual dicotyledonous weeds</td>
<td>Lintaplant, SL*</td>
<td>0.8-1.0 l/ha</td>
</tr>
<tr>
<td>Annual dicotyledonous weeds</td>
<td>Limentl, SL*</td>
<td>1.2-1.6 l/ha</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Herbicide</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinger, WP</td>
<td>0.007-0.01 kg/ha</td>
</tr>
<tr>
<td>Zinger, WP</td>
<td>0.005-0.007 kg/ha</td>
</tr>
<tr>
<td>Lintaplant, SL</td>
<td>0.3 l/ha</td>
</tr>
<tr>
<td>Lintaplant, SL*</td>
<td>0.8-1.0 l/ha</td>
</tr>
</tbody>
</table>

### Micro- and organo-mineral fertilizers for pre-sowing seed treatments, root top and foliar dressings

- Biostim Start
- Biostim Universal
- Ultramag Phosphorus Active
- Ultramag Sulfur (98)
- Ultramag Phosphorus Super
- Ultramag Potassium
- Potassium Humate Sulfer
- Ultramag Phosphorus
- Potassium Humate

### Microbiological fertilizers

- Biocomposite Destruct
- Biocomposite Destruct

* The product is registered for fibre flax and oil flax.
## Comprehensive protection of rapeseed

<table>
<thead>
<tr>
<th>Harmful object</th>
<th>seed, before sowing; before sowing; before sprouting; sprouting; flowering; pod formation; seed opening</th>
<th>seedlings</th>
<th>frondescence</th>
<th>rosette formation</th>
<th>stem formation</th>
<th>budding</th>
<th>flowering</th>
<th>pod formation</th>
<th>seed opening</th>
</tr>
</thead>
<tbody>
<tr>
<td>Root rot, downy mildew; seed-borne</td>
<td>Scarlet, ME *0,4 l</td>
<td>11-19</td>
<td>21-29</td>
<td>31-39</td>
<td>50</td>
<td>61-65</td>
<td>71</td>
<td>81</td>
<td></td>
</tr>
<tr>
<td>Alternaria blight</td>
<td>Imidor PRO, SC</td>
<td>15-20 l</td>
<td>Titul DUO, CSC</td>
<td>0,26-0,32 l/ha</td>
<td>Titul Trio, CSC</td>
<td>0,4-0,6 l/ha</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Common flea beetles</td>
<td>Koppitz Neo, GC</td>
<td>2,2-3,4 l/ha</td>
<td>Loxosceles, SC</td>
<td>0,4-0,6 l/ha</td>
<td>Faskord, EC</td>
<td>0,1-0,15 l/ha</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crucifer flea beetles</td>
<td>Imidor, SL</td>
<td>0,15 l/ha</td>
<td>Beretta, OD</td>
<td>0,3-0,4 l/ha</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Common flea beetles; crucifer flea beetles; diamond-back moth</td>
<td>K repreh 390, CSC</td>
<td>0,26</td>
<td>Titulasco, SC</td>
<td>0,3-0,4 l/ha</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Annual and perennial dicotyledonous and grass weeds</td>
<td>Sprut Extra, SL</td>
<td>1,4-4,0 l/ha</td>
<td>Annual grass and dicotyledonous weeds</td>
<td>Gals, EC</td>
<td>0,2 l/ha</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Annual grass weeds, annual and perennial dicotyledonous weeds</td>
<td>Reper, CSC</td>
<td>0,8-1,0 l/ha</td>
<td>Reper Trio, OD</td>
<td>0,2-0,3 l/ha</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thistle, chamomile, brome, and lettuce species</td>
<td>Forward, GOC</td>
<td>0,9-1,2 l/ha</td>
<td>Healer, GOC</td>
<td>0,75-1,0 l/ha</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Annual grass weeds</td>
<td>Forward, GOC</td>
<td>1,2-2,0 l/ha</td>
<td>Healer, GOC</td>
<td>1,0-1,5 l/ha</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Perennial grass weeds</td>
<td>Dessication Tongara, SL</td>
<td>1,5-2,0 l/ha</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Desiccation</td>
<td>Pergenos, SC</td>
<td>0.25 l/ha</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Prevention of pod shatter</td>
<td>Selfi</td>
<td>1,0 l/ha</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Weeds

- Annual and perennial dicotyledonous and grass weeds
- Annual grass and dicotyledonous weeds
- Annual grass weeds, annual and perennial dicotyledonous weeds
- Thistle, chamomile, brome, and lettuce species
- Annual grass weeds
- Perennial grass weeds
- Thistle, chamomile, brome, and lettuce species

### Micro- and organo-mineral fertilizers for pre-sowing seed treatments, root top and foliar dressings

- Potassium Humate Sulfur
- Biostim Start
- Ultramag Sulphur-900
- Ultramag Phosphorus-900/300
- Ultramag Nitrogen Ultra
- Ultramag Phosphorus Active/Super
- Ultramag Boron
- Biostim Oilseed
- Reper, CSC
- Reper Trio, OD
- Biostim Universal

### Microbiological fertilizers

- Biocomposite Correct
- Biocomposite Destruct

* Ilion, OD: for imidazolinone-resistant spring rapeseed
Comprehensive protection of potato

<table>
<thead>
<tr>
<th>Harmful object</th>
<th>tuber: before planting</th>
<th>before sprouting</th>
<th>sprouting</th>
<th>Frondescence (height &lt;5 cm)</th>
<th>Frondescence (height &lt;15 cm)</th>
<th>budding</th>
<th>flowering and tuber formation</th>
<th>tuber ripening</th>
<th>top splitting</th>
<th>placement in storage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rhizoctonia blight, Fusarium blight</td>
<td>Kagatnik, SL 0,5-0,8 l/t</td>
<td>Depozit, ME 0,25-0,4 l/t</td>
<td>Depozit Supreme, ME 0,25-0,3 l/t</td>
<td>Netasol HC, WG 0,25-0,3 l/t</td>
<td>Shoma, SC 0,5-0,8 l/t</td>
<td>tetris, SC 0,3 l/t</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Late blight and Alternaria blight</td>
<td>Various tuber rots</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Various tuber rots</td>
<td>Kagatnik, SC 0,5-0,8 l/t</td>
<td>Depozit, SC 0,25-0,4 l/t</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wireworms, Colorado beetle, aphids</td>
<td>Kagatnik, SC 0,5-0,8 l/t</td>
<td>Depozit Supreme, SC 0,25-0,3 l/t</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Colorado beetle, potato tuber moth, leafhoppers, aphids</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Annual and perennial dicotyledonous and grass weeds</td>
<td>Sprut Extra, SL 0,4-0,8 l/t</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Annual grass and dicotyledonous weeds</td>
<td>Bilia, SC 0,2-0,25 l/t</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Annual dicotyledonous and grass weeds</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Perennial grass weeds (couch grass), annual grass weeds, and some dicotyledonous weeds</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Annual dicotyledonous weeds</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dessication (seed planting)</td>
<td>Tongara, SL 2,0 l/ha</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Micro- and organo-mineral fertilizers for pre-sowing seed treatments, root top and foliar dressings

<table>
<thead>
<tr>
<th>Micro- and organo-mineral fertilizers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium Humate Sulfur</td>
</tr>
<tr>
<td>Biostim Start</td>
</tr>
<tr>
<td>Ultramag Potassium</td>
</tr>
<tr>
<td>Ultramag Calcium</td>
</tr>
<tr>
<td>Ultramag Sulfur</td>
</tr>
<tr>
<td>Biostim Universal</td>
</tr>
<tr>
<td>Ultramag Bónom Potassium Humate Sulfur</td>
</tr>
<tr>
<td>Ultramag Phosphate Activere/ Super</td>
</tr>
<tr>
<td>Ultramag Super Sulfur-900</td>
</tr>
</tbody>
</table>

Microbiological fertilizers

<table>
<thead>
<tr>
<th>Microbiological fertilizers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biocomposite Correct</td>
</tr>
<tr>
<td>Biocomposite Overview</td>
</tr>
<tr>
<td>Biocomposite Correct</td>
</tr>
</tbody>
</table>
Comprehensive protection of gardens (apple trees)

<table>
<thead>
<tr>
<th>Harmful object</th>
<th>during orchard set-up</th>
<th>‘green cone’</th>
<th>budding</th>
<th>advancing - detachment of buds</th>
<th>‘pink bud’</th>
<th>flowering</th>
<th>end of flowering</th>
<th>start of fruit setting</th>
<th>Hazel fruit</th>
<th>Walnut fruit</th>
<th>Fruit growth</th>
<th>Fruit ripening</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scab, blossom wilt</td>
<td>Reddy, SC 2.5-3 l/ha</td>
<td>Kaperang, SC 0.75-1 l/ha</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alternaria blight</td>
<td>Cyanol, SC 1-1.5 l/ha</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scolt, powdery mildew</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scab, powdery mildew, Phytophthora leaf spot, fruit rot, fruit rot during storage</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Blossom set</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

DISEASES

Scab, blossom wilt
Indigo, SC 3-5 l/ha
Katrex, SC 4-6 l/ha
Indigo, SC 3-5 l/ha
Katrex, SC 4-6 l/ha

Alternaria blight, fruit rot, powdery mildew
Kantor, SC 0.6-0.75 l/ha (2-times)
Scab, powdery mildew | 2.5-3.0 l/ha | 1.0-1.4 l/ha | 0.5-0.75 l/ha | 0.5-0.75 l/ha (3-times) | 1.0-1.4 l/ha (5-times) | 2.5-3.0 l/ha |

Scab
Kaperang, SC 0.75-1.0 l/ha
Shirma, SC 0.5-0.75 l/ha
Shirma, SC 0.5-0.75 l/ha (3-times)

Alternaria blight, fruit rot, powdery mildew, Phyllosticta leaf spot, fruit rot, fruit rot during storage
Sulphur 400, SC 6-16 l/ha
Medeya, ME 0.8-1.2 l/ha
Medeya, ME 0.8-1.2 l/ha (3-4-times)
Biocomposite PRO, L 1-3 l/ha (4-times)
Insignia, OD 1.0 l/ha

Blossom set
| Theja, SC | 0.3-0.45 l/ha | Karachar, EC 0.4-0.5 l/ha | Twingo, SC 0.75-1.2 l/ha | Karachar, SC 0.4-0.5 l/ha |
| Theja, SC | 0.3-0.45 l/ha | Karachar, EC 0.4-0.5 l/ha | Twingo, SC 0.75-1.2 l/ha | Karachar, SC 0.4-0.5 l/ha |

Leafroller moths
Theja, SC 0.3-0.45 l/ha
Twingo, SC 0.75-1.2 l/ha
Kinfos, EC 0.4-0.5 l/ha
Karachar, EC 0.4 l/ha

Apple worm
Theja, SC 0.3-0.45 l/ha
Twingo, SC 0.75-1.2 l/ha
Karachar, EC 0.4 l/ha
Twingo Euro, OD 0.75-1.2 l/ha
Kinfos, EC 0.4-0.5 l/ha
Yunona, ME 0.5 l/ha
Apex, OEC 0.5-0.8 l/ha
Meadows, OD 0.06-0.36 l/ha

Improved survival of nursery plants, root development
Mikoryze Korennik

Growth regulator to stimulate fruit formation
Fruit thinning

Protection from sunburns

FOLIAR DRESSINGS

Increased productivity and resistance to stress
Biosol Universal (up to 5 times)
Ultragam Phosphorus Active/ Super
Ultragam Super Sulfur-900

Improved balance of Fe, Cu, Mn, and Zn
Ultragam Chelate Fe-13
Ultragam Chelate Cu-15
Ultragam Chelate Mn-13
Ultragam Chelate Zn-15

Improved fruit setting and growth
Ultragam Boron

Improved quality and sugar content of fruit
Ultragam Potassium

Improved quality of fruit and resistance to physiological spot during storage
Ultragam Calcium

The frequency of use per season is indicated.
### Comprehensive protection of grapes

<table>
<thead>
<tr>
<th>Harmful object</th>
<th>establishing a vineyard</th>
<th>formation and growth of grapes</th>
<th>ripeness</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DISEASES</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mildew, black spot</td>
<td>Shirma, SC 0,5-0,75 l/ha (3-times)</td>
<td>Shirma, SC 0,5-0,75 l/ha</td>
<td></td>
</tr>
<tr>
<td>Black spot</td>
<td>Granny, SC 1,0-1,4 l/ha</td>
<td>Granny, SC 1,0-1,4 l/ha</td>
<td></td>
</tr>
<tr>
<td>Black rot</td>
<td>Kaperang, SC 2,5-3,0 l/ha</td>
<td>Kaperang, SC 2,5-3,0 l/ha</td>
<td></td>
</tr>
<tr>
<td>Powdery mildew, grey mold</td>
<td>Shirma, SC 0,5-0,75 l/ha</td>
<td>Shirma, SC 0,5-0,75 l/ha</td>
<td></td>
</tr>
<tr>
<td>Black spot, grey mold</td>
<td>Granny, SC 1,0-1,4 l/ha</td>
<td>Granny, SC 1,0-1,4 l/ha</td>
<td></td>
</tr>
<tr>
<td>Black rot</td>
<td>Kaperang, SC 2,5-3,0 l/ha</td>
<td>Kaperang, SC 2,5-3,0 l/ha</td>
<td></td>
</tr>
<tr>
<td>Grey mold, black rot, berry rots</td>
<td>Melba, ME 1,2 l/ha</td>
<td>Melba, ME 1,2 l/ha</td>
<td></td>
</tr>
<tr>
<td>Powdery mildew, grey mold</td>
<td>Shirma, SC 0,5-0,75 l/ha</td>
<td>Shirma, SC 0,5-0,75 l/ha</td>
<td></td>
</tr>
<tr>
<td><strong>PESTS</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spider mite, grape erineum mite</td>
<td>Akardo, CSC 0,4 l/ha (2-times)</td>
<td>Akardo, CSC 0,4 l/ha</td>
<td></td>
</tr>
<tr>
<td>Mediterranean fruit moth</td>
<td>Titul 390, CSC 0,15-0,25 l/ha</td>
<td>Titul 390, CSC 0,15-0,25 l/ha</td>
<td></td>
</tr>
<tr>
<td>European grapevine moth</td>
<td>Shirma, SC 0,5-0,75 l/ha</td>
<td>Shirma, SC 0,5-0,75 l/ha</td>
<td></td>
</tr>
<tr>
<td>Brown marmorated stinkbug</td>
<td>Furshef (1-3-times)</td>
<td>Furshef (1-3-times)</td>
<td></td>
</tr>
<tr>
<td><strong>FOLIAR DRESSINGS</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Increased productivity and resistance to stress</td>
<td>Biovit Universal (5-times)</td>
<td>Biovit Universal (5-times)</td>
<td></td>
</tr>
<tr>
<td>Prevention and management of mineral deficiency</td>
<td>Ultramag Phosphorus Active Super</td>
<td>Ultramag Phosphorus Active Super</td>
<td></td>
</tr>
<tr>
<td>Management of potassium and boron deficiency, improved blossoming and setting, enhanced accumu-</td>
<td>Ultramag Potassium 1-2 (times)</td>
<td>Ultramag Potassium 1-2 (times)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Increased quality of berries and resistance to rots</td>
<td>Ultramag Potassium 1-2 (times)</td>
<td>Ultramag Potassium 1-2 (times)</td>
<td></td>
</tr>
<tr>
<td>Microbiological product to prevent berry rots</td>
<td>Biocomposite Correct (1-2-times)</td>
<td>Biocomposite Correct (1-2-times)</td>
<td></td>
</tr>
</tbody>
</table>

To protect gardens from hail and birds, Schelkovo Agrohim suggests using the net produced by Betanet LLC.

The frequency of use per season is indicated.
### Fungicidal seed treatments

<table>
<thead>
<tr>
<th>Code</th>
<th>Product</th>
<th>Company</th>
</tr>
</thead>
<tbody>
<tr>
<td>31</td>
<td>Bnf. BENEFIS</td>
<td>MESSER</td>
</tr>
<tr>
<td>33</td>
<td>Bnfs. BENEFIS SUPREME</td>
<td>ME</td>
</tr>
<tr>
<td>34</td>
<td>Dpz. DEPOSIT</td>
<td>Plr. POLARIS</td>
</tr>
<tr>
<td>34</td>
<td>Dpz. DEPOSIT SUPREME</td>
<td>PROMEX MAX</td>
</tr>
<tr>
<td>35</td>
<td>Hrkl. HERAKLION</td>
<td>Sk. SCARLET</td>
</tr>
<tr>
<td>39</td>
<td>Tua. TEBU 60</td>
<td>TEBU 60</td>
</tr>
</tbody>
</table>

### Insecticidal seed treatments

<table>
<thead>
<tr>
<th>Code</th>
<th>Product</th>
<th>Company</th>
</tr>
</thead>
<tbody>
<tr>
<td>31</td>
<td>Bmb. BOMBARDA</td>
<td>ME</td>
</tr>
<tr>
<td>34</td>
<td>Mr. HARITA</td>
<td>Prm. PROTEGO MAX</td>
</tr>
<tr>
<td>35</td>
<td>Impr. IMIDOR PRO</td>
<td></td>
</tr>
</tbody>
</table>

### Insecto-fungicidal seed treatments

<table>
<thead>
<tr>
<th>Code</th>
<th>Product</th>
<th>Company</th>
</tr>
</thead>
<tbody>
<tr>
<td>38</td>
<td>Plqt. POLARIS QUATRO</td>
<td>SME</td>
</tr>
<tr>
<td>39</td>
<td>Tua. TUAREG</td>
<td>SME</td>
</tr>
</tbody>
</table>
Fungicides intended for presowing treatment seeds of cereal and soybean to control a wide range of diseases.

Highly effective at reduced concentration of the active ingredient due to innovative formulation as microemulsion.

More wide spectrum of action than that of most seed treatments due to combination of three active ingredients.

Unique effect to control root rots.

High level of fungicidal activity against a complex of diseases.

Bio-activator contained in the formulation has a growth-stimulating action: promotes coleoptile development and formation of a robust root system.

Higher resistance to drought and frost.

### BENEFIS

**ME**

Imazalil 50 g/l + metalaxyl 40 g/l + tebuconazole 30 g/l

**Advantages**

- Highly effective at reduced concentration of the active ingredient due to innovative formulation as microemulsion.
- More wide spectrum of action than that of most seed treatments due to combination of three active ingredients.
- Unique effect to control root rots.
- High level of fungicidal activity against a complex of diseases.
- Bio-activator contained in the formulation has a growth-stimulating action: promotes coleoptile development and formation of a robust root system.
- Higher resistance to drought and frost.

### BENEFIS SUPREME

**ME**

Imazalil 50 g/l + tebuconazole 30 g/l + mefenoxam 20 g/l

**Advantages**

- Unique effect against root rots of various aetiologies with a lower active substance concentration.
- Wide spectrum of action and high efficacy under conditions of high infection load.
- The best protection of seeds from both inside and outside ensured by the NANOformulation.
- Extended protection of seedlings.
- Promotion of growth and formation of a well-developed root system resistant to stress factors.
- Reduced toxic load on the agrocenosis.

### NANOformulation (microemulsion) ensures the most advanced seed protection:

- The fastest and deepest possible penetration of active substances into the seed through microcapillaries, reaching all infection sites, including latent ones.
- High-quality seed treatment without the product getting detached and its mechanical losses during storage, transportation, and seeding.

### NANOprotection of seeds from both inside and outside:

- Protego Max, ME
- Polaris, ME
- Benefis, ME
- Benefis Supreme, ME
- Depozit, ME
- Depozit Supreme, ME
- Scarlet, ME
- Tebu 60, ME
- Polaris Quatro, SME
- Tuareg, SME
- Messer, ME

### Innovative seed treatment formulation: MICROEMULSION

Penetrates through macro- and microcapillaries.

Evenly covers the entire surface.

Imazalil 50 g/l + metalaxyl 40 g/l + tebuconazole 30 g/l

Fungicidal seed treatment for cereal and soybean seeds in the NANOformulation.

Thiamethoxam 120 g/l + imidacloprid 90 g/l + fipronil 60 g/l

The first on the market three-component insecticidal seed protectant for grain crops and potato tubers for the best protection of seedlings from soil-inhabiting and surface pests and long-term protection of crops during vegetation without additional spraying.

- Effective impact on larvae of all ages and images of soil-inhabiting and surface pests.
- Triple toxic effect for the elimination of resistant populations and in case of high pest population numbers.
- Growth-regulating effect.
- Improved crop protection method by cancelling or reducing the number of insecticidal treatments in the growing period.
- Highest efficacy irrespective of soil and climatic conditions.

### Protego Max, ME

- The first on the market three-component insecticidal seed protectant for grain crops and potato tubers for the best protection of seedlings from soil-inhabiting and surface pests and long-term protection of crops during vegetation without additional spraying.

### Benefis Supreme, ME

- The best protection of seeds from both inside and outside ensured by the NANOformulation.
- Extended protection of seedlings.
- Promotion of growth and formation of a well-developed root system resistant to stress factors.
- Reduced toxic load on the agrocenosis.

### Depozit Supreme, ME

- The best protection of seeds from both inside and outside ensured by the NANOformulation.
- Extended protection of seedlings.
- Promotion of growth and formation of a well-developed root system resistant to stress factors.
- Reduced toxic load on the agrocenosis.

### Thiamethoxam 120 g/l + imidacloprid 90 g/l + fipronil 60 g/l

- Effective impact on larvae of all ages and images of soil-inhabiting and surface pests.
- Triple toxic effect for the elimination of resistant populations and in case of high pest population numbers.
- Growth-regulating effect.
- Improved crop protection method by cancelling or reducing the number of insecticidal treatments in the growing period.
- Highest efficacy irrespective of soil and climatic conditions.
A special-purpose fungicidal seed treatment for grain legume, industrial crop, etc. The best protection of seeds from both inside and outside ensured by the NANOformulation. Control of the broadest range of seed-borne and soil infections with a lower active substance concentration. The best efficacy against Fusarium pathogens. Reliable control of root rots, including Pythium root rots. Complete absence of retardant effect. Protection and formation of strong roots. Active promotion of green matter formation, starting from the early development phases of the crop. Reduced toxic load on the agrocenosis.

**DEPOZIT SUPREME**

Dpzs. fludioxonil 40 g/l + imazalil 40 g/l + metalaxyl 30 g/l

Advantages

- Has a potent fungicidal effect against a complex of diseases due to a combination of three active ingredients that belong to different chemical classes and have different mechanisms of action.
- An ingredient of fludioxonil belongs to the chemical class of phenylpyrroles with a special, fundamentally different mechanism of action against pathogens, which enhances the product efficacy.
- The microemulsion formulation provides the maximum penetration of active ingredients into the seed.
- Due to the systemic action, the product is effective against superficial and internal seed infections, as well as a number of pathogens that damage plants in a later period of vegetation.
- The fungicidal effect occurs immediately after treatment.
- Promotes an active start and stimulates the formation of a thick root system.
- Has no retardant effect.

**DEPOSIT ME**

Dpz. fludioxonil 40 g/l + imazalil 40 g/l + mefenoxam 15 g/l

Advantages

- Has a potent fungicidal effect against a complex of diseases due to a combination of three active ingredients that belong to different chemical classes and have different mechanisms of action.
- An ingredient of thiram belongs to the chemical class of thiophenes with a special, fundamentally different mechanism of action against pathogens, which enhances the product efficacy.
- The microemulsion formulation provides the maximum penetration of active ingredients into the seed.
- A wide spectrum of effect on pathogens, including Oomycetes.
- Soil disinfection around the seed bed.
- Active impact on biological and physiological processes in plants: strong stimulating effect.
- Cost-effectiveness and highly effective protection.

**HERAKLION SC**

Hrkl. thiamethoxam 600 g/l

Advantages

- A unique contact systemic fungicidal protectant with a bactericide effect for treatment of seeds of grain crops, soybeans, peas, and sunflower.
- The most effective seed protectant in its class due to the emergence of 3 components: an antibacterial effect in combination with fungicidal protection.
- A wider spectrum of effect on pathogens, including Oomycetes.
- Soil disinfection around the seed bed.
- Active impact on biological and physiological processes in plants: strong stimulating effect.
- Cost-effectiveness and highly effective protection.

**IMIDOR PRO SC**

Impr. imidacloprid 200 g/l

Advantages

- Crop protection at most vulnerable sprouting stage.
- Control of pests in soil and on sprouts.
- Prolonged protective period.
- Systemic action.
- Savings due to omission of several insecticidal treatments during vegetation.
- Extermination of pests populations resistant to carbafuran formulations.
- Efficient regardless of ambient conditions.

**MESSER ME**

Mss. mefenoxam 210 g/l + fludioxonil 25 g/l

Advantages

- A special-purpose fungicidal seed treatment for sunflower seeds in the NANOformulation.
- A perfect combination of active substances with the maximum spectrum of action.
- Full control of soil and seed-borne infections.
- The best efficacy against downy mildew, Fusarium blight and other diseases of sunflower.
- The most efficient formulation (microemulsion).
- Is intended for both industrial use at seed production companies and agricultural use.

**HARITA SC**

Hr. thiamethoxam 600 g/l

Advantages

- Systemic insecticidal for the presowing treatments seeds of cereal seeds and sugar beet against a complex of soil and surface seedling pests.
- Reliable protection of seedlings against a complex of soil and surface pests.
- High systemic activity of the product and rapid action.
- Long-term protective effect.
- Stable protective effect regardless of external conditions.

**HERAKLION SC**

Hrkl. thiamethoxam 600 g/l

Advantages

- Crop protection at most vulnerable sprouting stage.
- Control of pests in soil and on sprouts.
- Prolonged protective period.
- Systemic action.
- Savings due to omission of several insecticidal treatments during vegetation.
- Extermination of pests populations resistant to carbafuran formulations.
- Efficient regardless of ambient conditions.

**IMIDOR PRO SC**

Impr. imidacloprid 200 g/l

Advantages

- Crop protection at most vulnerable sprouting stage.
- Control of pests in soil and on sprouts.
- Prolonged protective period.
- Systemic action.
- Savings due to omission of several insecticidal treatments during vegetation.
- Extermination of pests populations resistant to carbafuran formulations.
- Efficient regardless of ambient conditions.

**MESSER ME**

Mss. mefenoxam 210 g/l + fludioxonil 25 g/l

Advantages

- A special-purpose fungicidal seed treatment for sunflower seeds in the NANOformulation.
- A perfect combination of active substances with the maximum spectrum of action.
- Full control of soil and seed-borne infections.
- The best efficacy against downy mildew, Fusarium blight and other diseases of sunflower.
- The most efficient formulation (microemulsion).
- Is intended for both industrial use at seed production companies and agricultural use.

**HARITA SC**

Hr. thiamethoxam 600 g/l

Advantages

- Systemic insecticidal for the presowing treatments seeds of cereal seeds and sugar beet against a complex of soil and surface seedling pests.
- Reliable protection of seedlings against a complex of soil and surface pests.
- High systemic activity of the product and rapid action.
- Long-term protective effect.
- Stable protective effect regardless of external conditions.

**HERAKLION SC**

Hrkl. thiamethoxam 600 g/l

Advantages

- Crop protection at most vulnerable sprouting stage.
- Control of pests in soil and on sprouts.
- Prolonged protective period.
- Systemic action.
- Savings due to omission of several insecticidal treatments during vegetation.
- Extermination of pests populations resistant to carbafuran formulations.
- Efficient regardless of ambient conditions.

**IMIDOR PRO SC**

Impr. imidacloprid 200 g/l

Advantages

- Crop protection at most vulnerable sprouting stage.
- Control of pests in soil and on sprouts.
- Prolonged protective period.
- Systemic action.
- Savings due to omission of several insecticidal treatments during vegetation.
- Extermination of pests populations resistant to carbafuran formulations.
- Efficient regardless of ambient conditions.

**MESSER ME**

Mss. mefenoxam 210 g/l + fludioxonil 25 g/l

Advantages

- A special-purpose fungicidal seed treatment for sunflower seeds in the NANOformulation.
- A perfect combination of active substances with the maximum spectrum of action.
- Full control of soil and seed-borne infections.
- The best efficacy against downy mildew, Fusarium blight and other diseases of sunflower.
- The most efficient formulation (microemulsion).
- Is intended for both industrial use at seed production companies and agricultural use.

**HARITA SC**

Hr. thiamethoxam 600 g/l

Advantages

- Systemic insecticidal for the presowing treatments seeds of cereal seeds and sugar beet against a complex of soil and surface seedling pests.
- Reliable protection of seedlings against a complex of soil and surface pests.
- High systemic activity of the product and rapid action.
- Long-term protective effect.
- Stable protective effect regardless of external conditions.

**HERAKLION SC**

Hrkl. thiamethoxam 600 g/l

Advantages

- Crop protection at most vulnerable sprouting stage.
- Control of pests in soil and on sprouts.
- Prolonged protective period.
- Systemic action.
- Savings due to omission of several insecticidal treatments during vegetation.
- Extermination of pests populations resistant to carbafuran formulations.
- Efficient regardless of ambient conditions.

**IMIDOR PRO SC**

Impr. imidacloprid 200 g/l

Advantages

- Crop protection at most vulnerable sprouting stage.
- Control of pests in soil and on sprouts.
- Prolonged protective period.
- Systemic action.
- Savings due to omission of several insecticidal treatments during vegetation.
- Extermination of pests populations resistant to carbafuran formulations.
- Efficient regardless of ambient conditions.

**MESSER ME**

Mss. mefenoxam 210 g/l + fludioxonil 25 g/l

Advantages

- A special-purpose fungicidal seed treatment for sunflower seeds in the NANOformulation.
- A perfect combination of active substances with the maximum spectrum of action.
- Full control of soil and seed-borne infections.
- The best efficacy against downy mildew, Fusarium blight and other diseases of sunflower.
- The most efficient formulation (microemulsion).
- Is intended for both industrial use at seed production companies and agricultural use.

**HARITA SC**

Hr. thiamethoxam 600 g/l

Advantages

- Systemic insecticidal for the presowing treatments seeds of cereal seeds and sugar beet against a complex of soil and surface seedling pests.
- Reliable protection of seedlings against a complex of soil and surface pests.
- High systemic activity of the product and rapid action.
- Long-term protective effect.
- Stable protective effect regardless of external conditions.

**HERAKLION SC**

Hrkl. thiamethoxam 600 g/l

Advantages

- Crop protection at most vulnerable sprouting stage.
- Control of pests in soil and on sprouts.
- Prolonged protective period.
- Systemic action.
- Savings due to omission of several insecticidal treatments during vegetation.
- Extermination of pests populations resistant to carbafuran formulations.
- Efficient regardless of ambient conditions.

**IMIDOR PRO SC**

Impr. imidacloprid 200 g/l

Advantages

- Crop protection at most vulnerable sprouting stage.
- Control of pests in soil and on sprouts.
- Prolonged protective period.
- Systemic action.
- Savings due to omission of several insecticidal treatments during vegetation.
- Extermination of pests populations resistant to carbafuran formulations.
- Efficient regardless of ambient conditions.

**MESSER ME**

Mss. mefenoxam 210 g/l + fludioxonil 25 g/l

Advantages

- A special-purpose fungicidal seed treatment for sunflower seeds in the NANOformulation.
- A perfect combination of active substances with the maximum spectrum of action.
- Full control of soil and seed-borne infections.
- The best efficacy against downy mildew, Fusarium blight and other diseases of sunflower.
- The most efficient formulation (microemulsion).
- Is intended for both industrial use at seed production companies and agricultural use.
Fungicidal activity of seed treatments against root rot pathogens

1. Control
2. Benefis, ME
3-4. Two- and four-component seed treatments, SC

1. 2. 3. 4.

Fusarium culmorum: Fusarium root rot pathogen
1. Control
2. Polaris, ME
3. Polaris, ME
4. Two-component seed treatment, SC

Microdochium nivale: Fusarium mould pathogen
1. Control
2. Polaris, ME
3-4. Two- and four-component seed treatments, SC

1. 2. 3. 4.

Bipolaris sorokiniana: Helminthosporium root rot pathogen
1. Control
2. Benefis, ME
3-4. Two- and four-component seed treatments, SC

1. 2. 3. 4.

Fusarium oxysporum: root rot pathogen
1. Control
2. Protego Max, ME
3-4. Two- and four-component seed treatments, SC

1. 2. 3. 4.

Macrophomina phaseolina: sunflower charcoal root pathogen
Pathogen culture cutting method:
1. Control
2. Messer, ME (100% efficacy)
Perforation method:
3. Control
4. Messer, ME
prochloraz 100 g/l + imazalil 25 g/l + tebuconazole 15 g/l

Fungicidal seed treatment intended for pre-planting treatment of cereal seeds.

Advantages
Highly effective at reduced concentration of the active ingredient due to innovative formulation
Formulation as microemulsion ensures maximum penetration of active ingredients into the seed, and powerful and prolonged protection during vegetation period
Wide spectrum of action than that of most seed disinfectants due to combination of three active ingredients
Highly efficient for pre-planting treatment of seeds and local soil disinfection
Stronger effect against snow mold
Bio-activator contained in the formulation has a growth-stimulating action: promotes coleoptiles development and formation of a robust root system
Higher resistance to drought and frost

A fungicidal seed protectant in an innovative formulation for crop seeds in the innovative formulation.

Advantages
Three-in-one: a complex-action product protection from diseases + protection from pests + physiological effect for the crop
Is effective against the pathogens of snow mould, root rot of various aetiologies, Fusarium blight, Septoria blight
Provides effective control of surface and soil-dwelling pests
Promotes growth and development of strong and healthy roots
Enhances productive tillering and green leaf effect
Increases resistance to adverse soil and climatic conditions, including drought
Is suitable for all sowing times, including late sowing

A combination insecto-fungicidal seed treatment for cereal crop seeds in the innovative formulation.

Advantages
Premium-class protection ensured by the new, most effective combination of the 3 most active ingredients and innovative formulation
Maximum efficacy under conditions of high infection load and long-term protection from seed to flag leaf stage
Improved action against pathogens causing Fusarium blight, Septoria spot, and diseases of rhizosphere
Immunostimulatory effect
A pronounced physiological effect: strong sprouts and root system, high tillering index, improved photosynthetic activity
High cold hardness and resistance to drought and temperature extremes
Maximum yield and high-quality grain

A fungicidal seed protectant in an innovative formulation for protection of grain crops and obtaining high yields under conditions of increased risk of diseases.

Advantages
Highly effective at reduced concentration of the active ingredient due to innovative formulation as microemulsion
More wide spectrum of action than that of most seed treatments due to combination of two active ingredients
High level of fungicidal activity, including to control Helminthosporium and Fusarium root rots, Oidium, seed molding, Septoria blight, etc.
Prolonged protective period from seed sprouting to tubling stage and flag stage
Promotes coleoptiles development and formation of a robust root system
Higher resistance to drought and frost
No losses of the formulation during transport and sowing
Mix stability maintained for an unlimited time
Imazalil reducing the risk of resistance

Mix stability maintained for an unlimited time

Advantages
Highly effective at reduced concentration of the active ingredient due to innovative formulation as microemulsion
Microemulsion penetrates inside a seed via micropapillaries, and protects the entire macro- and microstructure to control a wide range of seed and soil infections
Fungicide of curative and preventive action
High selectivity with regard to crops treated and no adverse effect on seed germination
Bio-efficient from seed sprouting until crop tillering
Easy to use: does not form dust, easily diluted in water to form a stable colloid solution

A combination of three active ingredients ensuring a high level of protection against diseases and pests
Seed protection from inside and from outside
The fungicide in the form of microemulsion ensures maximum penetration of its active ingredients inside the seed, and gives it a powerful and prolonged protection throughout the vegetation period
The insecticide in the form of suspension concentrate remains on the seed protecting it thoroughly at the beginning of the vegetation period
Contributes to the emergence of amicable shoots and reliably protects the crops under conditions of drought and excess moisture
Saves labor costs for preparing the working solution
### Herbicides

<table>
<thead>
<tr>
<th>Code</th>
<th>Name</th>
<th>Type</th>
<th>Code</th>
<th>Name</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>40</td>
<td>41</td>
<td></td>
<td>42</td>
<td>42</td>
<td></td>
</tr>
<tr>
<td>43</td>
<td>42</td>
<td></td>
<td>44</td>
<td>44</td>
<td></td>
</tr>
<tr>
<td>45</td>
<td>45</td>
<td></td>
<td>46</td>
<td>46</td>
<td></td>
</tr>
<tr>
<td>47</td>
<td>47</td>
<td></td>
<td>48</td>
<td>48</td>
<td></td>
</tr>
<tr>
<td>49</td>
<td>49</td>
<td></td>
<td>50</td>
<td>50</td>
<td></td>
</tr>
<tr>
<td>51</td>
<td>51</td>
<td></td>
<td>52</td>
<td>52</td>
<td></td>
</tr>
<tr>
<td>53</td>
<td>53</td>
<td></td>
<td>54</td>
<td>54</td>
<td></td>
</tr>
<tr>
<td>55</td>
<td>55</td>
<td></td>
<td>56</td>
<td>56</td>
<td></td>
</tr>
<tr>
<td>57</td>
<td>57</td>
<td></td>
<td>58</td>
<td>58</td>
<td></td>
</tr>
<tr>
<td>59</td>
<td>59</td>
<td></td>
<td>60</td>
<td>60</td>
<td></td>
</tr>
</tbody>
</table>

### Desiccant

<table>
<thead>
<tr>
<th>Code</th>
<th>Name</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>51</td>
<td>51</td>
<td></td>
</tr>
<tr>
<td>52</td>
<td>52</td>
<td></td>
</tr>
<tr>
<td>53</td>
<td>53</td>
<td></td>
</tr>
<tr>
<td>54</td>
<td>54</td>
<td></td>
</tr>
<tr>
<td>55</td>
<td>55</td>
<td></td>
</tr>
<tr>
<td>56</td>
<td>56</td>
<td></td>
</tr>
</tbody>
</table>

- **Herbicides**: A list of herbicide names and codes, including their action and type.
- **Desiccant**: A list of desiccant names and codes, including their type.
Herbicide for controlling annual dicotyledonous and grass weeds on sugar beet and white lupine plantings.

**Advantages**
- It is used both as a soil herbicide and post-emergence herbicide with a long protective period.
- It ensures the purity of seedlings at the early stages of crop growth and development, thus controlling a wide range of weeds.
- High selectivity excludes the risk of phytotoxic effect even under conditions of abundant rainfall and low temperature.
- It ensures the purity of seedlings throughout the growing period.
- It has no restrictions for crop rotation.

**ethofumesate 500 g/l**
Herbicide for controlling annual dicotyledonous and grass weeds on sugar beet and white lupine plantings.

**Advantages**
- High biological effect to control weeds having a strong wax protective layer (for example, Chenopodium album).
- Reliable control of annual dicotyledonous weeds, including green amaranth and some grass weeds.
- Weed penetration both through leaves and roots.

**ACTION SC**

**Act. ethofumesate 500 g/l**

**Advantages**
- Herbicide to control annual grass and dicotyledonous weeds in sunflower, soybean, sugar beet and maize crops.
- It is used both as a soil herbicide and post-emergence herbicide with a long protective period.
- It ensures the purity of seedlings at the early stages of crop growth and development, thus controlling a wide range of weeds.
- High selectivity excludes the risk of phytotoxic effect even under conditions of abundant rainfall and low temperature.
- It ensures the purity of seedlings throughout the growing period.
- It has no restrictions for crop rotation.

**ACTAL PRO EC**

**Advantages**
- System herbicide to control annual grass weeds in spring and winter wheat crops.
- Maximum herbicide effect attained by the combination of two active synergistic ingredients.
- High rate of weed penetration due to its innovative formulation.
- Good compatibility with anti-dicotyledon formulations.
- Higher stress resistance of crops due to the antidote.

**ACETAL PRO**

**Advantages**
- Graminicide in the NANOformulation to protect wheat crops against a wide range of annual grass weeds.
- Good effect against a wide range of grass weeds with an optimal concentration of active substances.
- The most efficient NANOformulation, compared to conventional analogues.
- High rate of penetration and resistance to precipitation washout.
- No phytotoxic effect on the crops.
- A wide application window regardless of the crop development phase.
- Good compatibility in tank mixtures with anti-dicotyledon preparations.

**ARGO ME**

**Advantages**
- System herbicide to control annual grass weeds in spring and winter wheat crops.
- Maximum herbicide effect attained by the combination of two active synergistic ingredients.
- High rate of weed penetration due to its innovative formulation.
- Good compatibility with anti-dicotyledon formulations.
- Higher stress resistance of crops due to the antidote.

**ARGO ME**

**Advantages**
- Graminicide in the NANOformulation to protect wheat crops against a wide range of annual grass weeds.
- Good effect against a wide range of grass weeds with an optimal concentration of active substances.
- The most efficient NANOformulation, compared to conventional analogues.
- High rate of penetration and resistance to precipitation washout.
- No phytotoxic effect on the crops.
- A wide application window regardless of the crop development phase.
- Good compatibility in tank mixtures with anti-dicotyledon preparations.

**ARGO PRIME ME**

**Advantages**
- System herbicide to control annual grass weeds in spring and winter wheat crops.
- Maximum herbicide effect attained by the combination of two active synergistic ingredients.
- High rate of weed penetration due to its innovative formulation.
- Good compatibility with anti-dicotyledon formulations.
- Higher stress resistance of crops due to the antidote.

**ARGO PRIME ME**

**Advantages**
- System herbicide to control annual grass weeds in spring and winter wheat crops.
- Maximum herbicide effect attained by the combination of two active synergistic ingredients.
- High rate of weed penetration due to its innovative formulation.
- Good compatibility with anti-dicotyledon formulations.
- Higher stress resistance of crops due to the antidote.

**The efficacy of herbicides**

**Elimination of grass weeds of spring wheat**
1. Argo, ME, 1.0 L/ha
2-3. Argo Prime, ME, 0.5 L/ha

**Soybean**
1. Treated with Benito, CSC, 2.0 L/ha
2-3. Untreated control

**Sugar beet**
1. Two treatments with Betaren Super MD, DSC, 1.2 L/ha, in combination with anti-dicotyledon herbicides
2-3. Untreated control

**Graminicide in the NANOformulation to protect wheat crops against a wide range of annual grass weeds.**

**Grainicide in the NANOformulation to protect wheat crops against a wide range of annual grass weeds.**

**System herbicide to control annual grass weeds in spring and winter wheat crops.**
Postemergence herbicide to control annual dicotyledonous weeds as well as some annual grass on sugar and fodder beet plantings.

BETAREN EXPRESS AM
- phenmedipham 110 g/l + desmedipham 110 g/l + ethofumesate 60 g/l

Advantages
- Innovative formulation and enhanced formulation of bentazone provide for: increased herbicidal activity compared with conventional preparations based on bentazone salt
- Reduction in the amount of active ingredient per hectare without loss of efficiency
- Flexible application times allowing for integration into any soybean protection schemes
- It has no restrictions for crop rotation

BETAREN SUPER MD
- ethofumesate 126 g/l + phenmedipham 63 g/l + desmedipham 21 g/l

Advantages
- Innovative formulation and enhanced formulation of bentazone provide for:
  - Increased herbicidal activity compared with conventional preparations based on bentazone salt
  - High penetration rate and rapidity of action
  - Reduction in the amount of active ingredient per hectare without loss of efficiency
- Highly compatible as part of prepared mixtures with other herbicides to enhance the spectrum of action
- Presence of ethofumesate penetrating through leaves and roots ensures a long-term beet protection from weeds
- It has no restrictions for crop rotation

BENITO CSC
- bentazone 300 g/l

Advantages
- Postemergence herbicide to control annual dicotyledonous weeds in soybean and pea crops.
- Highly effective at reduced concentration of the active ingredient due to innovative formulation OEC
- Does not have phytotoxic action on the crop
- Highly effective to control annual dicotyledonous and some grass weeds at their early stages of development
- Highly compatible as part of prepared mixtures with other herbicides to enhance the spectrum of action

BETAREN 22 OEC
- phenmedipham 110 g/l + desmedipham 110 g/l

Advantages
- Postemergence herbicide to control annual dicotyledonous weeds as well as some annual grass on sugar and fodder beet plantings.
- Innovative formulation and enhanced formulation of bentazone provide for:
  - Increased herbicidal activity compared with conventional preparations based on bentazone salt
  - Reduction in the amount of active ingredient per hectare without loss of efficiency
  - Flexible application times allowing for integration into any soybean protection schemes
  - It has no restrictions for crop rotation

BETAREN OEC
- phenmedipham 110 g/l + desmedipham 110 g/l + ethofumesate 60 g/l

Advantages
- Postemergence herbicide to control annual dicotyledonous weeds, including Chenopodium album, on beet plantings.
- Highly effective at reduced concentration of the active ingredient due to innovative formulation OEC
- Highly effective to control annual dicotyledonous and some grass weeds at their early stages of development
- Highly compatible as part of prepared mixtures with other herbicides to enhance the spectrum of action
- Fast herbicide action

BETAREN 22 OEC
- phenmedipham 110 g/l + desmedipham 110 g/l

Advantages
- Postemergence herbicide to control annual dicotyledonous weeds, including Amaranthus, on sugar beet plantings.
- Highly effective at reduced concentration of the active ingredient due to innovative formulation OEC
- Highly effective to control annual dicotyledonous weeds, including Chenopodium album, on beet plantings.
- Highly compatible as part of prepared mixtures with other herbicides to enhance the spectrum of action

CENSOR EC
- imazamox 38 g/l + chlorimuron-ethyl 12 g/l

Advantages
- Postemergence selective herbicide of systemic effect intended to control annual grass and dicotyledonous weeds on soybean plantings.
- Highly effective at reduced concentration of the active ingredient due to innovative formulation OD
- Ideal combination of active ingredients
- Most extended spectrum of action on weeds at soybean plantings
- Prolonged protective period
- Exposure on weeds through leaves and roots
- Soil herbicidal activity

CONCEPT OD
- clethodim 120 g/l

Advantages
- A highly efficient grass-active herbicide intended to control all types of grass weeds on plantings of sugar beet, lupine, soybean, and other crops.
- Exterminates nearly all annual and perennial grass weeds, including malicious ones (Elytrigia repens and other)
- No usage limitations with regard to crop development phase
- High efficiency at reduced doses regardless of soil and climatic conditions
- Rapid manifestation of the herbicidal effect
- Cost-effective under the conditions of high weediness with annual grass weeds

CONCEPT OD
- clethodim 240 g/l

Advantages
- A highly efficient grass-active herbicide intended to control all types of grass weeds on plantings of sugar beet, lupine, soybean, and other crops.
- A more effective oil formulation of the product compared with conventional emulsion analogs
- Better parameters of wetting and penetration into weed plants
- Effective at high air temperatures due to long-term preservation of active ingredients in a liquid state
- The use of the stabilizer adhesive is not required since it contains a sufficient amount of adjuvants
- Rapid manifestation of the herbicidal effect
- Cost-effective under the conditions of high weediness with annual grass weeds

CONCEPT OD
- clethodim 120 g/l

Advantages
- A highly efficient grass-active herbicide intended to control all types of grass weeds on plantings of sugar beet, lupine, soybean, and other crops.
- A more effective oil formulation of the product compared with conventional emulsion analogs
- Better parameters of wetting and penetration into weed plants
- Effective at high air temperatures due to long-term preservation of active ingredients in a liquid state
- The use of the stabilizer adhesive is not required since it contains a sufficient amount of adjuvants
- Rapid manifestation of the herbicidal effect
- Cost-effective under the conditions of high weediness with annual grass weeds

CENSOR EC
- prometryn 500 g/l

Advantages
- Soil-applied herbicide for major crop protection programs.
- Strategic approach: weed control at all stages of competition with the crop, starting from the earliest ones
- The destruction of a wide range of annual weeds, including a number of tough species
- Long protective period
- No residual effect on subsequent crops in the crop rotation
- Viable option: one herbicide for use on many crops cultivated on farm

BRIG SC
- prometryn 500 g/l

Advantages
- A more effective oil formulation of the product compared with conventional emulsion analogs
- Better parameters of wetting and penetration into weed plants
- Effective at high air temperatures due to long-term preservation of active ingredients in a liquid state
- The use of the stabilizer adhesive is not required since it contains a sufficient amount of adjuvants
- Rapid manifestation of the herbicidal effect
- Cost-effective under the conditions of high weediness with annual grass weeds

BRIG SC
- prometryn 500 g/l

Advantages
- A strategic approach: weed control at all stages of competition with the crop, starting from the earliest ones
- The destruction of a wide range of annual weeds, including a number of tough species
- Long protective period
- No residual effect on subsequent crops in the crop rotation
- Viable option: one herbicide for use on many crops cultivated on farm

Systemic postemergence herbicide to control a wide range of dicotyledonous weeds in cereal crops and maize. It shows high biological efficiency against a wide range of dicotyledonous weeds, including the toughest ones. It suppresses weeds resistant to 2,4-D, MCPA and triazines. It has a strong synergism with the product containing 2,4-D, MCPA, sulfonylureas, triazines, glyphosates. It is a highly effective component of tank mixtures for enhancing herbicidal action. It has no restrictions for crop rotation. It has a milder effect on the crop compared with 2,4-D-based preparations.

Advantages

- Innovative, unparalleled herbicide for maize protection
- An effective combination of three active ingredients of different classes in an advanced formulation for the best result
- Increased herbicidal activity against a wide range of grass and dicotyledonous weeds, including tough ones and species with late germination terms
- Reinforced soil screen
- A longer period of culture protection
- No residual effect on rotation crops

Advantages

- It shows high biological efficiency against a wide range of dicotyledonous weeds, including the toughest ones
- It suppresses weeds resistant to 2,4-D, MCPA and triazines
- It has a strong synergism with the product containing 2,4-D, MCPA, sulfonylureas, triazines, glyphosates
- It is a highly effective component of tank mixtures for enhancing herbicidal action
- It has no restrictions for crop rotation
- It has a milder effect on the crop compared with 2,4-D-based preparations

Advantages

- Highly effective at reduced concentration of the active ingredient due to innovative formulation CSC
- Highly efficient to control perennial difficult-to-eradicate weeds (Sonchus, Cirsium, Lactuca tatarica, Convolvulus arvensis, Euphorbia)
- Rain-resistant: is not washed off by rain in one hour after treatment
- Remains efficient in drought conditions
- Herbicidal activity starts to appear at +5 °C
- No crop rotation limitations
- Excellent component for prepared mixes with sulfonylurea herbicides

Advantages

- Excellent efficiency in controlling a wide range of annual grass and dicotyledonous weeds
- Used for soil treatment before crop emergence, thus eliminating competition with weeds at earlier stages of crop growth
- Prolonged protective period
- High and steady efficiency in various soil and climatic conditions

Advantages

- Selective postemergence herbicide of systemic effect intended to control annual and perennial dicotyledonous weeds on cereal and maize plantings.
- Highly effective at reduced concentration of the active ingredient due to innovative formulation CSC
- Highly efficient to control perennial difficult-to-eradicate weeds (Sonchus, Cirsium, Lactuca tatarica, Convolvulus arvensis, Euphorbia)
- Rain-resistant: is not washed off by rain in one hour after treatment
- Remains efficient in drought conditions
- Herbicidal activity starts to appear at +5 °C
- No crop rotation limitations
- Excellent component for prepared mixes with sulfonylurea herbicides

Advantages

- Pre-emergence herbicide intended to control annual grass and dicotyledonous weeds on agricultural crop plantings.
- Excellent efficiency in controlling a wide range of annual grass and dicotyledonous weeds
- Used for soil treatment before crop emergence, thus eliminating competition with weeds at earlier stages of crop growth
- Prolonged protective period
- High and steady efficiency in various soil and climatic conditions
Postemergence herbicide intended to control dicotyledonous weeds on cereal crops and common flax plantings.

Advantages
A unique combination of active substances from two widely used chemical classes
A broader spectrum of action against dicotyledonous weeds, compared to 2,4-D based herbicides
High efficacy against annual and offsets weeds, including those resistant to 2,4-D
The most efficient oil formulation
Long-term retention of herbicidal properties regardless of weather conditions
Soil screen formation

FENIZAN SL
FENIZAN SL
dicamba acid 360 g/l + chlorsulfuron acid 22.2 g/l
Postemergence herbicide intended to control dicotyledonous weeds on cereal crops and common flax plantings.

Advantages
Proprietary formulation of a widely known combination of two active ingredients with a bioactivator
Wide spectrum of action
Maximum efficiency with minimum cost of treatment per 1 ha
Prolonged application timing - until cereal evolving into tube
Recommended for autumn treatment of winter crops
Aowed for aerial treatment

FORTISSIMO OD
FORTISSIMO OD
2,4-D acid /2-ethylhexyl ether/ 200 g/l + aminopyralid 10 g/l + florasulam 5 g/l
Herbicide for protecting cereal crops against a wide range of dicotyledonous weeds.

Advantages
A unique combination of active substances from two widely used chemical classes
A broader spectrum of action against dicotyledonous weeds, compared to 2,4-D based herbicides
High efficacy against annual and offsets weeds, including those resistant to 2,4-D
The most efficient oil formulation
Long-term retention of herbicidal properties regardless of weather conditions
Soil screen formation

FEMIDA OD
FEMIDA OD
2,4-D acid /2-ethylhexyl ether/ 320 g/l + chlorsulfuron acid 4.2 g/l
Postemergence herbicide in the oil formulation against a wide range of dicotyledonous weeds in cereal crops.

Advantages
Highly effective at reduced concentration of the active ingredient due to innovative formulation OEC
Efficient to control most malicious grass weeds - Elytrigia repens, Avena fatua, Echinochloa crus-galli, etc.
Exterminates weeds together with their root system
Compatibility with other formulations in mixes
Treatment regardless of crop growth phase
No crop rotation limitations

FORWARD OEC
FORWARD OEC
quizalofop-P-ethyl 60 g/l
Postemergence herbicide intended to control annual and perennial grass weeds on plantings of sugar beet, soybeans, rape, sunflower, common flax, oilseed flax, pea, and chickpea.

Advantages
A unique combination of active substances from two widely used chemical classes
A broader spectrum of action against dicotyledonous weeds, compared to 2,4-D based herbicides
High efficacy against annual and offsets weeds, including those resistant to 2,4-D
The most efficient oil formulation
Long-term retention of herbicidal properties regardless of weather conditions
Soil screen formation

The efficacy of herbicides
1. 2. 3. The effect of Hermes, OD, 1.0 L/ha on specific weeds (Day 7 after treatment)
1-2. Fortissimo, OD, 0.7 L/ha, winter wheat after treatment
1-3. Untreated control
1. 2. 3. The efficacy of herbicides
1-3. Forward, OEC, elimination of grass weeds of soybean
1. 2. 3. The effect of Hermes, OD, 1.0 L/ha on specific weeds (Day 7 after treatment)
Selective systemic contact postemergence herbicide to control annual dicotyledonous and annual and perennial grass weeds in soybean and pea crops.

The ingredient of bentazone as an acid enhances the herbicidal effect versus the traditional bentazone salt-based products. Has a high penetration rate and speed of response due to the innovative formulation. Exhibits high biological efficiency with a reduced amount of active ingredients. Has a wide application window regardless of the crop development phase. A tank mixture with anti-cereal herbicides is not required.

Advantages
- A pre-emergence herbicide with long-term effect in the soil against annual grass weeds and dicotyledonous weeds in rapeseed, sugar beet and soybean crops.
- Controls a wide range of mixed-type annual weeds. Controls a wide range of mixed-type annual weeds and dicotyledonous weeds in rapeseed, sugar beet and soybean crops.
- A perfect solution against goosefoot, bedstraw, buttonweed and sunflower drop.
- Efficient in all soil types.
- Requires no mechanical working-in.
- Can be used on soybean seedlings.

GEIZER
bentazone 300 g/l + quizalofop-P-ethyl 45 g/l

Advantages
- A pre-emergence herbicide with long-term effect in the soil against annual grass weeds and dicotyledonous weeds in rapeseed, sugar beet and soybean crops.
- Controls a wide range of mixed-type annual weeds.
- A perfect solution against goosefoot, bedstraw, buttonweed and sunflower drop.
- Is efficient in all soil types.
- Requires no mechanical working-in.
- Can be used on soybean seedlings.

GALS
clomazone 480 g/l

Advantages
- Postemergence selective herbicide of systemic effect intended to control annual and perennial grass weeds in crop plantings.
- Highly effective at reduced concentration of the active ingredient due to innovative formulation OEC.
- Inhibits a wide range of grass weeds even at late growth stages.
- Prevents regrowing of rootstock weeds.
- Flexible herbicide application timing regardless of crop growth phases.
- Efficient at any soil and climatic conditions.
- Resistant to rain.

HERMES
quizalofop-P-trefuryl 40 g/l + imazamox 38 g/l

Advantages
- Highly effective at reduced concentration of the active ingredient due to innovative formulation OD.
- Highly efficient combination of two active ingredients from various classes.
- Reliable protection of annual dicotyledonous weeds, and annual and perennial grass weeds.
- Resistance to washing-off by precipitation.
- Efficient to control all agrostypes of broomrape.

For more information, please refer to the original sources.
**Advantages**
Control of a broad range of weeds after beet emergence
Termination of weed growth in 2 hours after treatment
High selectivity toward the crop
High efficiency in any weather conditions

**Advantages**
Most effective oil formulation of the product compared with "dry" analogs
Additional inclusion of surfactant is not required as the product contains a sufficient amount of adjuvants
Control of tough weeds (butterweed, red-root amaranth, etc.)
High efficiency in any weather conditions
Expanded spectrum of action and enhanced herbicidal activity of Betaren series products
Decreased consumption rates for sugar beet herbicides when used timely

**Advantages**
Highly effective component of the tank mixture to enhance the herbicidal effect

**Advantages**
Highly effective systemic herbicide in oil formulation intended to control annual dicotyledonous weeds in sugar beet plantings.

**Advantages**
Efficient protection of critical agricultural crops
Controls a wide range of annual dicotyledonous weeds
Highly selective
Has a systemic effect

**Advantages**
Enzyme resistance and the potential for multiple applications
Highly selective for crops
Wide range of application periods regardless of crop growth phases
Fast and strong effect through aboveground parts of the plant

**Advantages**
Irreplaceable for controlling difficult-to-eradicate weeds, such as Sonchus, Matricaria, and Polygonum.
Ravages both the aboveground portion and root system of weeds due to its systemic effect
Protects throughout the vegetation period
Demonstrates synergy in mixtures with other herbicides recommended to control dicotyledonous and grass weeds.

**Advantages**
Two-component herbicide to control annual and perennial grass, dicotyledonous weeds on maize plantings.

**Advantages**
Highly effective systemic herbicide intended to control annual dicotyledonous weeds on maize and sugar beet plantings. An ideal component of the tank mixtures to enhance the herbicidal effect.

**Advantages**
Highly effective systemic herbicide in oil formulation intended to control a wide range of annual dicotyledonous weeds in soybean and maize. An ideal component of the tank mixtures to enhance the herbicidal effect.

**Advantages**
A highly effective systemic herbicide in oil formulation intended to control annual dicotyledonous weeds in sorghum and maize. An ideal component of the tank mixtures to enhance the herbicidal effect.

**Advantages**
Selective herbicide of systemic effect intended to control annual dicotyledonous weeds on cereal, potato, flax, pea and other plantings.

**Advantages**
Highly effective selective herbicide of systemic effect intended to control annual grass weeds on spring and winter wheat crops.

**Advantages**
Irreplaceable for controlling difficult-to-eradicate weeds, such as Sonchus, Matricaria, Polygonum, and others.
Ravages both the aboveground portion and root system of weeds due to its systemic effect
Protects throughout the vegetation period
Demonstrates synergy in mixtures with other herbicides recommended to control dicotyledonous and grass weeds.

**Advantages**
Selective herbicide of systemic effect intended to control annual dicotyledonous weeds on cereal, potato, flax, pea and other plantings.

**Advantages**
Enzyme resistance and the potential for multiple applications
Highly selective for crops
Wide range of application periods regardless of crop growth phases
Fast and strong effect through aboveground parts of the plant
The efficacy of herbicides

1. 2. 3.
1. One month later
2. Before harvesting
3. Untreated control

Maize after treatment with Octava, OD, 1.0 L/ha
1-3. Pixel, OD, 0.3 L/ha, winter wheat after treatment

1-2. Primadonna, SE, 0.6 L/ha + Kassius, SP, 0.05 kg/ha, elimination of weeds, oil maize after treatment
3. Primadonna, SE, 0.8 L/ha, wheat after treatment

Advantages

Highly efficient granulicid or barley
High selectivity with regard to crops treated
Wide range of application periods regardless of crop growth phases
Fast and strong effect through aboveground parts of the plant

Adventages

Is effective against a wide range of dicotyledonous weeds, including some weeds resistant to 2,4-D and sulphonylureas
Increased herbicidal activity and quick effect because of the innovative oil formulation
Has a wide application window from tillering till the second internode formation
No restrictions on crop rotation

Advantages

High efficiency and rapid action due to innovative oil formulation and synergistic effect of three active ingredients
Maximum extended spectrum of action for dicotyledonous weeds, including those that are difficult to control
Effectiveness in overgrown weeds
Has a wide window in application phases, from tillering to flag leaf
Exceptionally mild effects on crops; no loss in the yield due to herbicidal stress
No restrictions on crop rotation

Advantages

Unique formulation contributing to rapid penetration into plants and arrival at growth points
Highly efficient two-component herbicide for a wide range of bilobate weeds, including difficult-to-eradicate (low thistle, catch weed, etc.)
Ideal combination of active ingredients ensuring powerful herbicidal actions
Wide range of application
No crop rotation limitations
Excellent compatibility in mixes with other herbicides

Advantages

Highly efficient postemergence herbicide of systemic effect intended to control annual grass weeds on spring and winter barley (including malt barley) crops.

Postemergence herbicide in the oil formulation against a wide range of dicotyledonous weeds in cereal crops.

Premium-class herbicide for controlling a wide range of dicotyledonous weeds in the late stages of the development of grain crops.

Selective postemergence herbicide of systemic effect intended to control annual and perennial dicotyledonous weeds on cereal crop and maize plantings.

Postemergence selective herbicide of systemic effect intended to control annual grass weeds on spring and winter barley (including malt barley) crops.
Postemergence herbicide of systemic effect intended to control annual and perennial dicotyledonous weeds on rape plantings.

Advantages
Powerful herbicidal effect ensured by synergy of two active ingredients with various mechanisms of action. Exterminates malicious, difficult-to-eradicate weeds, such as Galium aparine, Matricaria perforata, Cirsium Arvense, Sonchus Arvenis, and others.

Has a wide range of application timing: from cereal crop tillering stage to evolving into tube. Excellent systemic activity of the formulation allows easy and fast (within an hour) penetration into and spread within a weed, while blocking weed growing processes. High rain resistance: precipitation does not affect its efficiency as early as an hour after treatment.

REPER TRIO
Rprt. clopyralid /2-ethylhexyl ether/ 267 g/l + picloram 80 g/l + aminopyralid 17 g/l
Advantages
A highly effective three-component postemergence herbicide in oil formulation intended to control dicotyledonous weeds on rape plantings. A wide spectrum of action due to three systemic herbicide components. High herbicidal activity due to the highly effective oil formulation and synergism of active ingredients. The fastest penetration into tissues of treated weeds and long-term retention of herbicidal properties regardless of weather conditions. Highly effective against such hard-to-control weeds as cleavers, chamomile species, knotweed, amaranth, goosefoot, and other tough species. Eradication of perennial weeds along with their root system. Long-term protective period due to soil activity. Wide range of application timing.

Advantages
Much more efficient than glyphosate herbicides. Excellent soil activity - 100% control of unwanted vegetation for 2 years. Reliable exterminates herbs, shrubs and trees, including difficult-to-eradicate and quarantine weeds. May be applied both before weed emergence and over emerged weeds. Unlimited timing of protective measures. No adverse effect from precipitation in an hour after treatment. Quickly penetrates and exterminates plants under a layer of dust and oil. Steadily high efficiency in all regions of Russia with different soil and climatic conditions and species composition of unwanted vegetation. An innovative method for creating protective mineralized strips.

Advantages
A highly selective two-component herbicide in oil formulation for the cultivation of tribenuron-methyl resistant sunflower. A unique unparalleled combination of active ingredients in oil formulation. Highly efficient against weeds of different families (such as dicotyledonous marsh and grass weeds, including resistant populations of barnyard grass). Destruction of growing points and elimination of new sprout growth. A prolonged protective effect up to 2 months. Safe for all rice species and varieties.

Advantages
Selective postemergence herbicide of systemic effect intended to control annual and perennial dicotyledonous weeds in cereals. High selectivity to tribenuron-methyl resistant sunflower hybrids.

SANFLO WG
Snf. tribenuron methyl 750 g/kg
Advantages
A highly selective two-component herbicide in oil formulation for rice protection against the most harmful weeds. Highly effective postemergence herbicide for the cultivation of tribenuron-methyl resistant sunflower.

Advantages
A unique unparalleled combination of active ingredients in oil formulation. Highly efficient against weeds of different families (such as dicotyledonous marsh and grass weeds, including resistant populations of barnyard grass). Destruction of growing points and elimination of new sprout growth. A prolonged protective effect up to 2 months. Safe for all rice species and varieties.

Advantages
A highly effective three-component postemergence herbicide in oil formulation intended to control dicotyledonous weeds on rape plantings. A wide spectrum of action due to three systemic herbicide components. High herbicidal activity due to the highly effective oil formulation and synergism of active ingredients. The fastest penetration into tissues of treated weeds and long-term retention of herbicidal properties regardless of weather conditions. Highly effective against such hard-to-control weeds as cleavers, chamomile species, knotweed, amaranth, goosefoot, and other tough species. Eradication of perennial weeds along with their root system. Long-term protective period due to soil activity. Wide range of application timing.

Advantages
A highly effective postemergence herbicide for the cultivation of tribenuron-methyl resistant sunflower.
Postemergent herbicide to control annual dicotyledonous weeds in soybean crops.

Advantages
- Most efficient among various glyphosate forms
- Glyphosate as potassium salt promotes fast absorption and spread of the active ingredient along the entire weed, including root system
- Elevated content of the active ingredient allows formulation application in reduced doses
- Optimal content of highly efficient adjuvant in the formulation maximizes bio-efficiency
- No soil activity, no aftereffects for the crop
- Allows application of energy-saving soil protection technologies
- Used at any above-zero ambient temperatures until persistent frost

Non-selective systemic herbicide of continuous action intended to exterminate annual and perennial grass and dicotyledonous weeds, grassland, trees and shrubs.

Advantages
- Most efficient among various glyphosate forms
- Glyphosate as potassium salt promotes fast absorption and spread of the active ingredient along the entire weed, including root system
- Elevated content of the active ingredient allows formulation application in reduced doses
- Optimal content of highly efficient adjuvant in the formulation maximizes bio-efficiency
- No soil activity, no aftereffects for the crop
- Allows application of energy-saving soil protection technologies
- Used at any above-zero ambient temperatures until persistent frost

Postemergent herbicide to control annual dicotyledonous weeds in soybean crops.

Advantages
- Highly effective component of the tank mixture to enhance the herbicidal effect
- Increased herbicidal activity due to innovative formulation
- Pronounced synergism with herbicides on soybean
- The effective control of accumulated weeds that are weakly sensitive to other herbicides in soybean crops
- An ideal option for controlling broadleaf weeds
- Without restrictions for crop rotation

Postemergence selective herbicide with systemic effect for the control of annual and perennial dicotyledonous weeds in cereal crops.

Advantages
- 100% control of severe, hard-to-control weeds, such as cleavers, black bindweed, field bindweed
- A potent herbicidal effect and an expanded spectrum of susceptible weeds due to the synergism of the two active ingredients with different mechanisms of action
- High efficiency and rapid effect due to the unique formulation
- Wide range of application timing
- High rain tolerance: precipitation does not affect efficacy as early as one hour after treatment
- No restrictions for subsequent crops in crop rotation
**Selective herbicide of systemic effect intended for post-emergence treatment of cereal crops and common flax to control annual dicotyledonous weeds, including 2,4-D and 2M-4X resistant weeds and some perennial dicotyledonous weeds and undesired weeds and Sosnovsky cow-parsnip on non-agricultural lands.**

**Advantages**
- A one-of-a-kind soil herbicide
- A unique oil formulation for maximum efficacy
- Protects the seedlings from a wide range of weeds
- Ensures long-term purity of crops
- High selectivity reduces the possibility of phytotoxic effects on crops

**ZINGER WP**
- metsulfuron-methyl 600 g/kg

**ZONTRAN CSC**
- metribuzin 250 g/l

**VERSIA OD**
- propisochlor 370 g/l + terbutylazine 185 g/l

Pre-emergence herbicide for protecting broad-leaved crops against perennial grass and dicotyledonous weeds.

**Advantages**
- Highly effective at reduced concentration of the active ingredient due to innovative formulation CSC
- Most efficient herbicide based on metribuzin for potato and tomato protection
- High bio-activity at consumption rates of the active ingredient reduced by 1.4 to 1.7 times per ha compared to similar dry metribuzin based formulations
- "Screening effect" to prevent emergence of weeds
- Better penetration into the plant
- Reduced pesticide load and cost of treatment
- Mix stability
- The formulation contains bioactivator
- Timely sewage of weeds with Zontran reduces the risk of buck eye rot on potato plantings

**VERSIA OD**
- metribuzin 250 g/l + terbutylazine 185 g/l

**ZONTRAN CSC**
- metribuzin 250 g/l

**VERSIA OD**
- metribuzin 250 g/l + terbutylazine 185 g/l

**Advantages**
- Fast drying of crops, thus facilitating cropping
- Fast and uniform ripening
- Reduced losses of seeds during cropping
- Facilitates cropping
- Reduced moisture content in seeds

**TONGARA SL**
- diquat 150 g/l

**Advantages**
- Non-selective contact desiccant for pre-cropping desiccation of sunflower, pea, rape, seed plants of cereal crops, alfalfa, carrot, cabbage, beet, turnip, fodder beans, soybeans, and radish.

**TONGARA SL**
- diquat 150 g/l

**Advantages**
- A one-of-a-kind soil herbicide
- A unique oil formulation for maximum efficacy
- Protects the seedlings from a wide range of weeds
- Ensures long-term purity of crops
- High selectivity reduces the possibility of phytotoxic effects on crops

**ZINGER WP**
- metsulfuron-methyl 600 g/kg

**Advantages**
- Wide range of action - inhibition of nearly all annual dicotyledonous weeds and some perennial dicotyledonous weeds
- Low consumption rate
- Low cost of treatment rate per hectare
- High flexibility in terms of application timing
- Convenient packing is water-soluble bags
- Moderate toxicity to mammals, virtually harmless to bees
- Bio-efficiency of the formulation virtually does not depend on weather conditions

**The efficacy of herbicides**

1. Before herbicide treatment
2. After treatment with Zontran, CSC
3. Untreated control

**Pre-emergence and post-emergence treatment of cereal crops and common flax to control annual dicotyledonous weeds, including 2,4-D and 2M-4X resistant weeds and some perennial dicotyledonous weeds and undesired weeds and Sosnovsky cow-parsnip on non-agricultural lands.**

**Advantages**
- Highly effective at reduced concentration of the active ingredient due to innovative formulation CSC
- Most efficient herbicide based on metribuzin for potato and tomato protection
- High bio-activity at consumption rates of the active ingredient reduced by 1.4 to 1.7 times per ha compared to similar dry metribuzin based formulations
- "Screening effect" to prevent emergence of weeds
- Better penetration into the plant
- Reduced pesticide load and cost of treatment
- Mix stability
- The formulation contains bioactivator
- Timely sewage of weeds with Zontran reduces the risk of buck eye rot on potato plantings
Insecticides and acaricides
Contact-action product of insecticide acaricidal chemical class to control mites and other pests on apple, grapes, and soybean crops.

Advantages
A very powerful acaricidal effect due to the active substance of the new chemical class in the innovative formulation
Special mechanism of action against all stages of mite development
An active effect on populations resistant to conventional acaricides
Additional action against armored scales, slow worms, and plant-hoppers
Translaminar activity
Rapid action and high efficiency in all weather conditions

Akr. AKARDO CSC
spirodiclofen 250 g/l

Appl. APEX OEC
pyriproxyfen 100 g/l
Hormonial insecticide with an innovative oil formulation for the protection of rapeseed, fruit crops and vegetable crops.

Advantages
A unique mechanism of action that disrupts the hormonal balance in pests
The most efficient oil formulation, compared to conventional emulsion concentrates
Has an impact on all stages of pest development
Rapid toxic effect
Long-term protection because of high residual activity
Low-toxic for bees and warm-blooded animals
A necessary component of complex anti-resistance crop protection programs

APEX OEC
Apx. pyriproxyfen 100 g/l

Advantages
A new combination of three active ingredients in a highly effective oil formulation
Strong synergism of active components: toxic effect on various stages of nerve impulse transmission of an insect
Several mechanisms of action: systemic, contact enteric, translaminar, and repellent
Strong knockdown effect and long-term protection (up to 35 days) even during mass reproduction periods
Control of the widest spectrum of the most harmful pests, including diamondback moth, snout beetle, rapeseed beetle, etc
Effective impact on hiding pests and pests living on the back of the leaf
Triple toxic effect for the elimination of resistant populations

Brtt. BERETTA OD
bifenthrin 60 g/l + thiamethoxam 40 g/l + alpha-cypermethrin 30 g/l
Highly effective three-component insecticide, oil formulation, for control of especially harmful pests of grain crops, potato, rapeseed, and sugar beet.

Advantages
A powerful contact acaricide of a new chemical class for control of mites on apple trees, grapes, soybeans, and greenhouse crops.
An unparalleled acaricide
A unique mechanism of action at all stages of a life cycle of various mite species
Elimination of mites at the back of the leaf by means of translaminar activity
Effective impact on winter and summer ovipositioning
Additional sterilizing effect on female mites
High selectivity to useful entomofauna
A perfect tool for anti-resistance crop protection programs

Df. DAKFOSAL TB
aluminum phosphide 570 g/kg
Fumigant insecticide for desinsection in various empty storages, and food, seed and fodder grain stocks in storages and elevator bins that are stored in bulk or bags under a film cover.

Advantages
High fumigant activity
Exterminates storage pests in hard-to-reach places
Exterminates insect pests of any age
No effect of product quality
Easy to use

DAKFOSAL TB Df.
difludazin 200 g/l

Advantages
Highly effective three-component insecticide having an acute contact-intestinal and systemic effect to control a wide spectrum of pests.
Two-component insecticide having an acute contact-intestinal and systemic effect to control a wide spectrum of pests.

Advantages
Indispensable formulation to control Zabrus tenebrioides
Efficient to control a wide range of pests
Flash-like action
Light fumigant action

DIAZINON EXPRESS EC
diazinon 600 g/l
Contact insecticide of gastric action to control a wide range of pests on plantings of wheat, barley.

Advantages
An unparalleled acaricide
A unique mechanism of action at all stages of a life cycle of various mite species
Elimination of mites at the back of the leaf by means of translaminar activity
Effective impact on winter and summer ovipositioning
Additional sterilizing effect on female mites
High selectivity to useful entomofauna
A perfect tool for anti-resistance crop protection programs

DIFLONITE Dphl.
difludazin 200 g/l

Advantages
Systemic activity and acute contact enteric effect to achieve results quickly
Reliable control of hiding, sucking, and leaf-eating insects throughout the period of harmfulness
Elimination of highly hazardous pests, including brown marmorated stink bug, ground beetles, sod webworm, polychaetous cutworms, moth, and others
Highly effective during mass reproduction periods of harmful insects
A double toxic effect for the elimination of resistant populations
Aerial application to treat large areas in a short time

Esp. ESPERO SC
imidacloprid 200 g/l + alpha-cypermethrin 120 g/l

Advantages
A highly effective insecticide in oil formulation for long-term protection of sugar beet against weevils.

**Advantages**
- A new combination of active ingredients with different mechanisms of action to eliminate resistant populations of pests
- A highly effective oil formulation provides a more active effect and long protective period
- Reliable control of the most harmful and hiding sugar beet pests
- Highly effective during hot weather
- Rapid action at all motile stages of pests and prolonged action at active development stages inside the stem

**Active Ingredients**
- acetamiprid 100 g/l + alpha-cypermethrin 60 g/l

**Features**
- Intestinal contact insecticide of systemic pyrethroid group to control a wide range of pests of cereal crops, potato, sugar beet, maize, and other agricultural crops.
- Neonicotinoid insecticide
- Prolonged protection against most malicious insects
- Efficient use in green houses
- High efficiency in any weather conditions
- No phytotoxic effect

**Advantages**
- Total eradication of locusts and other pests
- Pronounced knockdown effect in controlling imago
- Potent effect on egg raft and larvae of all ages due to a combination of two active ingredients with different mechanisms of action
- Shortest possible periods of effect and a long period of protection
- Three applications methods: ground application, aerial application, and aerosol spraying using an aerosol generator

**Active Ingredients**
- diflubenzuron 125 g/l + imidacloprid 110 g/l

**Advantages**
- High efficiency against the widest range of Homoptera, Coleoptera, Hemiptera, and Lepidoptera pests
- Rapid toxic effect and long-term protection
- A unique oil formulation for maximum efficacy
- High biological efficiency at elevated temperatures
- The only neonicotinoid (not toxic to pollinators bees and bumblebees)
- An essential component of anti-resistance programmes for orchards and vineyards

**Active Ingredients**
- acetamiprid 200 g/l

---

**Active Ingredients**
- lambda-cyhalothrin 50 g/l

---

**Advantages**
- Powerful pyrethroid insecticide to control a wide range of pest on various crops
- Fast and prolonged effect
- Acaricide effect
- Low consumption rates and low cost of treatment per 1 hectare

**Active Ingredients**
- lambda-cyhalothrin 50 g/l + dimethoate 300 g/l + beta-cypermethrin 40 g/l
Enteric contact insecto-acaricide for the protection of apple trees and grapes from mites.

**Increased efficacy, faster and longer effect due to the innovative formulation**
- Translaminar activity which makes it possible to kill pests even at untreated sites
- High efficiency against the mites resistant to the acaricides of other chemical classes
- An important component of anti-resistant garden protection programs

**Advantages**
- A systemic contact enteric insecticide for a wide range of crops.
- A combination mechanism of action due to active substances from different chemical classes
- Control of the widest range of pests: elimination of adult insects and larvae of all ages
- High toxicity and long-term protection
- A unique oil formulation for maximum efficacy
- Effective impact on hiding pests and pests living on the back of the leaf

**Advantages**
- A combined insecticide with ovicidal effect to protect gardens and vineyards against various pests.
- A unique combination of active ingredients with different mechanisms of action
- It contains neonicotinoid that has a rapid toxic effect and at the same time is low-toxic for bees
- A highly effective oil formulation provides a more active effect and long protective period
- Rapid action at all motile stages of pests
- It has an ovicidal effect

**Advantages**
- Systemic, translaminar active insecticide
- Rapid effect and guaranteed result
- Long-term protection of gardens from pests complex
- Short waiting period
- Destruction of pest populations that have developed resistance to the insecticides of other chemical classes

**Advantages**
- Unparalleled insecticide
- Has a potent insecticidal effect due to a combination of two active ingredients that belong to different chemical classes and have different mechanisms of action
- Pest control at all stages of their development: from egg to imago
- Long-term protective effect
- Guaranteed control of pest populations that have developed resistance to the insecticides of other chemical classes
- An excellent component of anti-resistant garden protection programs

**Advantages**
- Contact enteric systemic insecticide used to control codling moth, a pest of apple trees.
- Due to the innovative formulation, provides increased efficacy, rapid action, and prolonged protection
- Has a high biological activity against the codling moth caterpillar
- The product is an insecticide of natural origin, safe for beneficial insects
- Has a short waiting period
- It is highly effective against insect populations that are resistant to the insecticides of other chemical classes

**Advantages**
- Contact enteric systemic insecticide used to protect apple trees from gnawing and sucking insects.
- A unique insecto-acaricide combination with a strong toxic effect on sugar beet and soybean pests.
- Ensures strong knockdown effect and long-term protection
- Has fumigant action and repellent properties and is able to penetrate into plant tissues
- Ensures elimination of pests in hard-to-reach places, as well as pests resistant to other insecticides
- Has perfect acaricidal properties
- Eliminates pests at all stages of their development
- Is highly effective during mass reproduction periods
- Is especially effective against owl moths and weevils
- Retains toxicity at both low and high air temperatures

**Advantages**
- Contact enteric insecticide used to protect apple trees, pear trees, and grapes from gnawing and sucking insects.
- A contact enteric and systemic insecticide for the protection of apple trees and grapes from mites.
- High initial activity - pests die within the first hours after treatment
- Systemic effect, resistant to rain as early as in 1 hour after treatment
- Efficient to control many insect pests, feasible to use during maximum density of pests in the field
- Long-term protective effect
- Guaranteed control of pest populations that have developed resistance to the insecticides of other chemical classes
- An excellent component of anti-resistant garden protection programs

**Advantages**
- Contact enteric and systemic insecticide used to protect apple trees from gnawing and sucking insects.
- A unique insecto-acaricide combination with a strong toxic effect on sugar beet and soybean pests.
- Ensures strong knockdown effect and long-term protection
- Has fumigant action and repellent properties and is able to penetrate into plant tissues
- Ensures elimination of pests in hard-to-reach places, as well as pests resistant to other insecticides
- Has perfect acaricidal properties
- Eliminates pests at all stages of their development
- Is highly effective during mass reproduction periods
- Is especially effective against owl moths and weevils
- Retains toxicity at both low and high air temperatures

**Advantages**
- Contact enteric insecticide used to protect apple trees from gnawing and sucking insects.
- A systemic contact enteric insecticide for the protection of apple trees and grapes from mites.
- High initial activity - pests die within the first hours after treatment
- Systemic effect, resistant to rain as early as in 1 hour after treatment
- Efficient to control many insect pests, feasible to use during maximum density of pests in the field
- Long-term protective effect
- Guaranteed control of pest populations that have developed resistance to the insecticides of other chemical classes
- An excellent component of anti-resistant garden protection programs

**Advantages**
- Contact enteric insecticide used for control of codling moth, a pest of apple trees.
- Due to the innovative formulation, provides increased efficacy, rapid action, and prolonged protection
- Has a high biological activity against the codling moth caterpillar
- The product is an insecticide of natural origin, safe for beneficial insects
- Has a short waiting period
- It is highly effective against insect populations that are resistant to the insecticides of other chemical classes

**Advantages**
- Contact enteric insecticide used to protect apple trees from gnawing and sucking insects.
- A unique insecto-acaricide combination with a strong toxic effect on sugar beet and soybean pests.
- Ensures strong knockdown effect and long-term protection
- Has fumigant action and repellent properties and is able to penetrate into plant tissues
- Ensures elimination of pests in hard-to-reach places, as well as pests resistant to other insecticides
- Has perfect acaricidal properties
- Eliminates pests at all stages of their development
- Is highly effective during mass reproduction periods
- Is especially effective against owl moths and weevils
- Retains toxicity at both low and high air temperatures

**Advantages**
- Contact enteric systemic insecticide used to control codling moth, a pest of apple trees.
- Due to the innovative formulation, provides increased efficacy, rapid action, and prolonged protection
- Has a high biological activity against the codling moth caterpillar
- The product is an insecticide of natural origin, safe for beneficial insects
- Has a short waiting period
- It is highly effective against insect populations that are resistant to the insecticides of other chemical classes

**Advantages**
- Contact enteric insecticide used to protect apple trees from gnawing and sucking insects.
- A unique insecto-acaricide combination with a strong toxic effect on sugar beet and soybean pests.
- Ensures strong knockdown effect and long-term protection
- Has fumigant action and repellent properties and is able to penetrate into plant tissues
- Ensures elimination of pests in hard-to-reach places, as well as pests resistant to other insecticides
- Has perfect acaricidal properties
- Eliminates pests at all stages of their development
- Is highly effective during mass reproduction periods
- Is especially effective against owl moths and weevils
- Retains toxicity at both low and high air temperatures
Pheromone traps
Schelkovo Agrohim is one of the few companies that synthesises insect pheromones and manufactures traps for over 50 different types of agricultural and forest crop pests.

Pheromones are natural, biologically active substances which have a highly specific effect on one or several allied species of pests. Pheromones have extremely low consumption rates (nanogram quantities), comparable to the natural scent background produced by insects, and their natural origin ensures high ecological safety.

Pheromone traps are an essential component of integrated plant protection. They make it possible to determine the start of flying, changes in insect population development and distribution throughout the season, and the need for and optimal timing of protective measures.

Pheromone production has some specific features. The synthesis of active substances necessitates technological expertise, costly equipment, and high production standards, all of which are in place at Schelkovo Agrohim’s production facilities.

### Pheromone traps for the following types of insect pests

<table>
<thead>
<tr>
<th>Fruit and berry crop pests</th>
<th>Vegetable and technical crop pests</th>
<th>Forest and ornamental crop pests</th>
<th>Storage pests</th>
</tr>
</thead>
<tbody>
<tr>
<td>Archips rosana</td>
<td>Eosicina cheilinella</td>
<td>Tomicus piniperda</td>
<td>Ehestia kuehneltia</td>
</tr>
<tr>
<td>Adoxophyes orana</td>
<td>Agrotis exclamation</td>
<td>Tortrix viridana</td>
<td>Ehestia etriotella</td>
</tr>
<tr>
<td>Grapholitha molesta</td>
<td>Mythimna separata</td>
<td>Halyomorpha halys</td>
<td>Cadra cautella</td>
</tr>
<tr>
<td>Archips podana</td>
<td>Cyto nigrum</td>
<td>Ips typographis</td>
<td>Piledia interpunctella</td>
</tr>
<tr>
<td>Lobesia betrana</td>
<td>Plutella xylostella</td>
<td>Tomicus minor</td>
<td>Pylidiidae</td>
</tr>
<tr>
<td>Eucoreuma ambiguelata</td>
<td>Mamestrot basica</td>
<td>Lymctrine dispar</td>
<td></td>
</tr>
<tr>
<td>Zeuzera pyrina</td>
<td>Phethormina operarella</td>
<td>Diploptera pini</td>
<td></td>
</tr>
<tr>
<td>Pandemis heparana</td>
<td>Holomorpha halys</td>
<td>Nysidipinser cerifera</td>
<td></td>
</tr>
<tr>
<td>Halyomorpha halys</td>
<td>Ostrenia rubikies</td>
<td>Cydalima perspectalis</td>
<td></td>
</tr>
<tr>
<td>Pennisetia hyaliformis</td>
<td>Loxosteg steclitica</td>
<td>Dendrolimus abricnus</td>
<td></td>
</tr>
<tr>
<td>Lithocolletis Pyraliformis</td>
<td>Mamestrot olenececa</td>
<td>Panolis flavea</td>
<td></td>
</tr>
<tr>
<td>Hedya rubiarena</td>
<td>Agrotis segetum</td>
<td>Dendrolimus pini</td>
<td></td>
</tr>
<tr>
<td>Rhyzochina baeliana</td>
<td>Mamestrot suasa</td>
<td>Monochamus</td>
<td></td>
</tr>
<tr>
<td>Rhyzochina diaplane</td>
<td>Scothipia occhitelletena</td>
<td>Lymantria monacha</td>
<td></td>
</tr>
<tr>
<td>Evermis turianana</td>
<td>Xestia C-nigrum</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sphinastra aculeata</td>
<td>Autographa gamma</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Archips rosana</td>
<td>Tuta absoluta</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Adoxophyes orana</td>
<td>Helicoverpa armigera</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grapholitha funebrosa</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Synanthedion tipuliformis</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ypsomorpha multivella</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cadra pomonella</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Synanthedion myopaeformis</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Fungicides

<table>
<thead>
<tr>
<th>Year</th>
<th>Product</th>
<th>Formulation</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>76</td>
<td>ACE</td>
<td>CSC</td>
<td>SC</td>
</tr>
<tr>
<td>76</td>
<td>AZORRO</td>
<td>SC</td>
<td>SC</td>
</tr>
<tr>
<td>76</td>
<td>BENAZOL</td>
<td>WP</td>
<td>ME</td>
</tr>
<tr>
<td>77</td>
<td>CAPELLA</td>
<td>ME</td>
<td>NE</td>
</tr>
<tr>
<td>77</td>
<td>GRANNY</td>
<td>SC</td>
<td>SC</td>
</tr>
<tr>
<td>78</td>
<td>KAGATNIK</td>
<td>SL</td>
<td>78</td>
</tr>
<tr>
<td>78</td>
<td>KANTOR</td>
<td>CSC</td>
<td>SC</td>
</tr>
<tr>
<td>78</td>
<td>KAPERANG</td>
<td>SC</td>
<td>78</td>
</tr>
<tr>
<td>77</td>
<td>CAPELLA</td>
<td>ME</td>
<td>ME</td>
</tr>
<tr>
<td>77</td>
<td>GRANNY</td>
<td>SC</td>
<td>SC</td>
</tr>
<tr>
<td>77</td>
<td>MED.</td>
<td>SC</td>
<td>SC</td>
</tr>
<tr>
<td>77</td>
<td>MYSTERIA</td>
<td>ME</td>
<td>ME</td>
</tr>
<tr>
<td>77</td>
<td>SHIRMA</td>
<td>SC</td>
<td>SC</td>
</tr>
<tr>
<td>78</td>
<td>SULPHUR</td>
<td>SC</td>
<td>SC</td>
</tr>
<tr>
<td>78</td>
<td>TITUL</td>
<td>CSC</td>
<td>ME</td>
</tr>
<tr>
<td>78</td>
<td>TRIO</td>
<td>CSC</td>
<td>SC</td>
</tr>
<tr>
<td>78</td>
<td>TRIADA</td>
<td>CSC</td>
<td>SC</td>
</tr>
</tbody>
</table>

### Microbiological fungicides

<table>
<thead>
<tr>
<th>Year</th>
<th>Product</th>
<th>Formulation</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>77</td>
<td>BCP</td>
<td>PRO</td>
<td>L</td>
</tr>
</tbody>
</table>
Combined fungicide for the protection of cereal crops, soybeans and sugar beet from a complex of diseases. Exhibits enhanced fungicidal effect due to the combination of two active ingredients that possess complementary biological properties. Provides highly effective protection of winter cereals after wintering and of spring crops against root rot and powdery mildew at the early phases of the crop development. Preventative treatment prevents the development of leaf diseases in a later period of crop development. Has a preventive, curative, and eradicating effects. The different mechanism of action of the product ingredients results in guaranteed protection and prevents the manifestation of resistant pathogen strains. Has a stimulating effect on the growth and development of crops, enhances photosynthesis in flag leaves - the pronounced green leaf effect, positively affects the formation of the crop.

**AZORRO**
carbendazim 300 g/l + azoxystrobin 100 g/l

**Advantages**  
Fungicide of systemic action intended to protect cereal crops and sugar beet to control a wide range of diseases.  
Control of the most economically important cereal crop diseases, including Gibberella cereals  
Effective against Fusarium blight and black spot  
Quick action with a pronounced stop effect and subsequent long-term protection for up to 4 weeks  
Immunostimulatory effect  
A wide application window, both for the prevention and symptomatically  
Double greening effect  
High resistance to stress factors  
Perfect adaptability to weather conditions  
Ensures maximum yields of cereal crops.

**BENAZOL**  
benomyl 500 g/kg

**Advantages**  
An essential element in modern systems of protection of gardens and vineyards  
An effective method to prevent a range of diseases  
A broad application window starting from early spring treatments  
Preservation of fungicidal efficacy at low air temperatures and heat  
High resistance to flushing from the surface of the plant.

**BIOCOMPOSITE**  
based on Pseudomonas strain

**Advantages**  
A microbiological fungicide for an integrated fruit and vegetable crop protection system.  
Completely safe for the environment (an EcoPlus product)  
Unique composition: a highly effective proprietary Pseudomonas strain inhibits a wide range of phytopathogens and promotes endogenous immunity  
Increases the resistance to adverse weather conditions  
Has a growth-promoting effect  
Requires no waiting time after treatment.

**CAPELLA**  
dithianon 350 g/l

**Advantages**  
A special-purpose contact fungicide for control of apple scab.  
High fungicidal activity against scab  
A perfect product for preventive protection from the earliest stages of apple tree development  
Good adherence to the treated surface and resistance to washout by precipitation  
Long-term protective screen period  
A necessary component of an anti-resistance garden protection system ensuring high quality of fruits  
A convenient liquid formulation.

**INDIGO**  
tribasic copper sulfate 345 g/l

**Advantages**  
A three-component fungicide in the NANO formulation, with preventive, curative and eradicating properties, for the protection against leaf and ear diseases of cereal crops.  
Control of the most economically important cereal crop diseases, including Gibberella cereals  
Effective against Fusarium blight and black spot  
Quick action with a pronounced stop effect and subsequent long-term protection for up to 4 weeks  
Immunostimulatory effect  
A wide application window, both for the prevention and symptomatically  
Double greening effect  
High resistance to stress factors  
Perfect adaptability to weather conditions  
Ensures maximum yields of cereal crops.
Fungicide with an exceptional physiological effect that prevents mass losses of sugar beetroot crops and potato tubers from decay at the storage facilities and in the field.

**Advantages**
- Eliminates a wide range of rot pathogens, including grey mould
- Provides excellent fruit preservation and transportability

KAGATNIK SL
benzoic acid 300 g/l

Fungicide with an exceptional physiological effect that prevents mass losses of sugar beetroot crops and potato tubers from decay at the storage facilities and in the field.

**Advantages**
- Prevents the spread and development of fungal and bacterial infections in crops and on the roots sugar beet
- Increases the sugar accumulation in root crops by activating the outflow of assimilates from leaves
- Helps to obtain healthy root crops with excellent stability in piles
- Effective and environmentally safe way to protect sugar beet root crops and potato tubers from storage decay
- Long-term protective period of 90–120 days
- Reduction of losses in root crops and tubers during storage

KANTOR CSC
cyprodinil 200 g/l

System fungicide for the protection of gardens (apple trees, pear trees) and vineyards against a complex of diseases.

**Advantages**
- Increased fungicidal activity against a complex of diseases due to an innovative formulation (nanodrop of active ingredient)
- Deep penetration, rapid initial effect, and high eradicating ability
- Effective protection for any infectious load
- Reliable protection of grapes against rot in the period of harvest formation
- Short waiting time when used for grapes
- High fungicidal activity even at a low air temperature (from +3 °C)
- Resistance to washout by rain as early as 2 hours after treatment
- Easy-to-use liquid formulation in contrast to similar products

KAPERANG SC
captan 500 g/l

Fungicide with a protective effect against apple tree and grape pathogens.

**Advantages**
- Highly effective fungicide to protect apple fruits from a wide range of rot pathogens.
- A unique oil formulation provides high resistance to rainwash and high efficacy in a wide temperature range
- Improves the yield quality
- Provides excellent fruit preservation and transportability

The efficacy of fungicides

![Image of fungicidal activity of Kantor, CSC, in a model experiment with Monilinia fructigena, a fruit rot pathogen](image)

1. Kantor, CSC
2. Analog, WG
3. Untreated control
a: Day 4; b: Day 6; c: Day 11

![Image of sugar beet roots in the field](image)
1. Sugar beet treated with Kagatnik, SL
2. Sugar beet without treatment

![Image of sugar beet roots in piles during storage](image)
1. Roots treated with Kagatnik, SL, before placement in storage
2. 3. Without treatment before placement in storage, up to 70% of rotting roots

![Image of fungicidal activity of Kantor, CSC, in a model experiment with Monilinia fructigena, a fruit rot pathogen](image)

1a. 1b. 1c.
2a. 2b. 2c.
3a. 3b. 3c.
A special-purpose contact fungicide for protecting fruit crops.

Advantages
- A basic contact fungicide with high protective potency
- Reliable control of scab and moniliosis
- Non-specific mechanism of action on pathogens, preventing resistance
- Suitable for integrated fruit crop protection
- Has no effect on beneficial insects and is not harmful to pollinators

KATREX SC
thiram 400 g/L

Advantages
- Highly effective at reduced concentration of the active ingredient due to innovative formulation as microemulsion
- Bio-efficiency against a number of most harmful diseases due to optimal combination of two active ingredients
- Reliable protection against aerogenic diseases at initial vegetation stages
- High rate of penetration to the infection point and quickest curative effect due to innovative formulation
- Ability to restrain sporogenesis of pathogens and to mitigate secondary contamination, if optimal treatment timing is missed, and symptoms of diseases have already appeared

MEDEYA ME
difenconazole 50 g/l + flutriafol 30 g/l
Systemic fungicide intended to protect gardens and vineyard to control a wide range of diseases.

Advantages
- Systemic fungicide of systemic action against potato diseases.
- Systemic action ensuring protection of the entire plant, including new shoots
- Dual reliability due to contact and systemic properties
- Preventive and curative action
- Implementation of full crop potential
- Unrivaled protection of potato tubers in the field and storage
- Penetrates the plant in 30 minutes
- Resistant to precipitation
- Protection up to 14 days
- Improves tuber storability

METAMIL MC WG
difenoconazole 50 g/l + flutriafol 30 g/l
Contact fungicide of systemic action against potato diseases.

A micro-irrigation fungicide with a strong protective and curative effect against leaf diseases of various etiologies, as well as a pronounced physiological effect.

**Advantages**
- A new combination of 3 active ingredients of different chemical classes in an innovative formulation
- A combination protective mechanism: powerful prophylactic effect + stop effects + elimination
- Prevention of secondary contamination
- A pronounced curative effect at all stages of the disease
- Improved control of pathogens causing downy mildew, Erysiphe, apple scab, grey mould, etc.
- Prolonged period of protection
- Decreased sensitivity of crops to the long-term impact of stress factors: high temperatures, drought, temperature extremes, etc.
- A pronounced physiological effect: longer life of a green leaf, prolonged period of photosynthetic activity, maximum accumulation of sugars and transfer of nutrients to the developing crop

**Flusilazole 100 g/l**

Highly effective contact fungicide for controlling potato late blight, apple scab, mildew and black spot of grapevine.

**Advantages**
- Protects potato sprouts, destroying the primary infection in the soil and significantly reducing the risk of infection
- Prevents the spread of infection to the healthy tops and excellently protects the tubers from infection
- Effectively protects the apple tree from scab, grapes from mildew and black spotting
- Has a high resistance to rainfall washing, ensuring a stable protection in conditions of watering and precipitation
- Does not have phytotoxicity to culture
- Can be used throughout the growing season, without fear of the emergence of resistant strains of pathogens

**Fluridone 400 g/l**

A contact fungicide with acaricidal activity for the protection of grapes and fruit crops.

**Advantages**
- Fungicidal protection + acaricidal effect
- An important component for the prevention of Erysiphaceae infection
- High biological efficacy and reliable protection
- The most efficient liquid formulation of sulphur with a smaller active substance particle size
- Excellent contact action and uniform distribution on the treated surface

**Fluxal 400 SC**

A microemulsion fungicide with a strong protective and curative effect against leaf diseases of various etiologies, as well as a pronounced physiological effect.

**Advantages**
- A new combination of 3 active ingredients of different chemical classes in an innovative formulation
- A combination protective mechanism: powerful prophylactic effect + stop effects + elimination
- Prevention of secondary contamination
- A pronounced curative effect at all stages of the disease
- Improved control of pathogens causing downy mildew, Erysiphe, apple scab, grey mould, etc.
- Prolonged period of protection
- Decreased sensitivity of crops to the long-term impact of stress factors: high temperatures, drought, temperature extremes, etc.
- A pronounced physiological effect: longer life of a green leaf, prolonged period of photosynthetic activity, maximum accumulation of sugars and transfer of nutrients to the developing crop

**Flutrix 390 g/l**

Systemic fungicide to control a wide range of diseases on plantings of cereal crops, sugar beet, rapeseed and grape.

**Advantages**
- Basic protection in conditions of a moderate infectious background
- High penetration rate to the source of infection and a powerful therapeutic effect
- Long-term protective activity up to 40 days
- The drug from the Eco Plus series with increased biological effectiveness against a complex of diseases
- Profitability of the hectare application rate
- A practical solution for a farm with a wide range of crops
- Aerial treatment allowed
Systemic fungicide to control a wide range of diseases in 
sugar beet, soya, pea, and rice.

**Advantages**
- Highly effective at reduced concentration of the active ingredient due to innovative formulation CSC.
- Three highly efficient active ingredients in optimal proportion
- Indispensable for controlling leaf and stem diseases of cereal crops (Septoria blight, powdery mildew, rust, etc.)
- Fast penetration into the plant and arrest of disease development
- Optimal combination of active ingredients prevents resistance
- Quality grain

---

Systemic fungicide intended to protect cereal crops to control a wide range of diseases.

**Advantages**
- Highly effective at reduced concentration of the active ingredient due to innovative formulation CSC.
- Three highly efficient active ingredients in optimal proportion
- Reliable protection from air-borne diseases at the initial vegetation phases
- High rate of penetration to the place of infection localization and the fastest curative effect due to the innovative formulation
- The ability to restrain pathogen sporification and to mitigate secondary infection if the optimum spraying time was missed and disease symptoms appeared

---

Systemic fungicide intended to protect cereal crops.

**Advantages**
- Readily producible formulation
- Efficient to control root rots
- Systemic action - protects all organs of a plant
- Preventive, curative and eradicative action
- Efficient suppression of diseases even after their symptoms are manifested
- Prevents drowning of cereal crops

---

Systemic fungicide intended to protect cereal crops, sugar beet and other agricultural crops to control a wide range of diseases, and to treat seeds of cereal crops.

**Advantages**
- Highly effective at reduced concentration of the active ingredient due to innovative formulation CSC.
- Three highly efficient active ingredients in optimal proportion
- Fast penetration into the plant and arrest of disease development
- Optimal combination of active ingredients prevents resistance
- Quality grain

---

**The efficacy of fungicides**

1. Rust of peas crops in untreated control
2. Peas treated with Vintage, ME
3. Rice treated with Vintage, ME
4. Winter wheat treated with Triada, CSC, 0.6 L/ha
5. Untreated control

---

Systemic fungicide intended to protect cereal crops, sugar beet and other agricultural crops to control a wide range of diseases, and to treat seeds of cereal crops.
Rodenticides

Rodenticide intended for the preparation of poisoned food bait used to combat various types of rodents.

IZOCIN BFK EO
brodifacoum 2 g/l
Rodenticide intended for the preparation of poisoned food bait used to combat various types of rodents.

Advantages

- A coumarin anticoagulant
- Pestilent for rodents, even with a single bait ingestion
- It destroys all types of rodents, including populations that are resistant to other anticoagulant rodenticides
- It has pronounced cumulative properties and skin resorptive effect
- Convenient for making bait
- Due to the oil-based formulation, an even distribution of the active substance in the bait base is achieved
Plant growth regulator

<table>
<thead>
<tr>
<th>Code</th>
<th>Name</th>
<th>EC</th>
<th>SL</th>
<th>WP</th>
<th>VT</th>
<th>SL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cst.</td>
<td>COSTANDO</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gb.</td>
<td>GIBBERA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hfk.</td>
<td>HEFRA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Krk.</td>
<td>KORENKO</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sl.</td>
<td>SALDO</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Plant growth regulator for prevention of lodging of grain crops and better productivity and grain quality.

Advantages
- Decreases the risk of lodging by decreasing the internodes length and thickening of straw walls
- Improves wintering of plants by strengthening the roots and increasing the sugar content in autumn
- A wide application window, from tillering to flag development
- A possibility of double application on winter wheat, in autumn and in spring
- No fitotoxicity

COSTANDO
trinexapac-ethyl 250 g/l

Advantages
- Prevents drowning of cereal crops
- Stimulates growth and expansion of the root system, strengthens the stem by reducing the length of internode and increasing stem diameter
- Increases the number of productive stems
- Has a positive effect of yield volume and quality
- Creates favorable conditions for cropping

HEFK
ethephon 480 g/l

Advantages
- Promotes fruit formation
- Enhances growth and morphogenetic processes
- Accelerates ripening time
- Increases the fruitage
- Prevents cracking and discoloration of fruits
- Improves saleable condition and increases product quality

GIBBERA
Gibberellic Acids A4, A7 10 g/l

Advantages
- Stimulates lateral and adventitious root formation
- Promotes the development of an extensive root system, better survival ability and encourages the further growth of the cutting or seedling
- Increases survival ability during transplantation, enhances growth processes
- Improves the quality of planting material

KORENNIK
4-(indole-3-yl) butyric acid 5 g/kg

Advantages
- Enhancing growth and morphogenetic processes
- Increased yields and improved presentation
- Formation of higher quality fruit
- Setting of flower buds for the next year
- Avoiding alternation of fruitful and barren years

SALDO
6-benzyladenine 20 g/l

Advantages
- Growth regulator of fruit plants (apples, pears) for thinning the ovaries at the early stages of fruit development in intensive gardening systems.
Special-purpose products

<table>
<thead>
<tr>
<th>Ast.</th>
<th>Frsh.</th>
<th>Hlg.</th>
<th>Lcm.</th>
<th>Lm.</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASSISTANT</td>
<td>FURSHET</td>
<td>HICER</td>
<td>LACHUS</td>
<td>LAMINAR</td>
</tr>
<tr>
<td>Slf.</td>
<td>Mkd.</td>
<td>MIKADO</td>
<td>SELFI</td>
<td>EC</td>
</tr>
</tbody>
</table>

Special-purpose products
Superwetting agent reducing the surface tension of working solutions.

Advantages
- Reduces the surface tension of working solutions
- Improves adhesion of working solutions to the leaf surface
- Improves resistance of the applied solution to washout by precipitation
- Promotes penetration of the product through the stomata
- Improves the efficacy of products against pests
- Reduces the risk of working liquid crystallisation on the treated surface

Organic silicone (modified heptamethyltrisiloxane) – above 80%, auxiliary substances

Laminar

Advantages
- A highly efficient silicone emulsion defoamer.
- Prevents foaming in the working liquid tank
- Reduces the stability of foam formed during the preparation of pesticides and agrochemicals
- Ensures high-performance plant treatment
- Compatible with all pesticides and agrochemicals

Laminar silicone emulsion

Advantages
- Dissolves UV rays reducing burns in plants
- Maintains the plant temperature lower than the ambient temperature
- Reflects IR radiation
- Enhances the vegetative growth and development of plants, the yield and the quality of products
- Dissolves UV rays reducing burns in plants
- Maintains the plant temperature lower than the ambient temperature
- Reflects IR radiation
- Enhances the vegetative growth and development of plants, the yield and the quality of products

Silicon emulsion

Advantages
- A natural sticky agent; an adjuvant improving the quality of plant treatment with working liquid and enhancing the effect of insecticides and fungicides
- Upon drying, forms a flexible water-resistant film on plants
- Keeps active substances on the surface of plants
- Enhances the effect of insecticides and fungicides

Natural sticky agent

Advantages
- Improves water quality
- Reduces water hardness and alkalinity
- Improves stability and homogeneity of the working solution
- Reduces the surface tension of the liquid due to the presence of an adjuvant
- Increases the overall efficiency of chemical treatment

Orthophosphoric acid, acidity indicator, buffer reagents, adjuvant, water

Lacmus

Advantages
- Improves water quality
- Reduces water hardness and alkalinity
- Improves stability and homogeneity of the working solution
- Reduces the surface tension of the liquid due to the presence of an adjuvant
- Increases the overall efficiency of chemical treatment

Orthophosphoric acid, acidity indicator, buffer reagents, adjuvant, water

Selphi

Advantages
- Improves water quality
- Reduces water hardness and alkalinity
- Improves stability and homogeneity of the working solution
- Reduces the surface tension of the liquid due to the presence of an adjuvant
- Increases the overall efficiency of chemical treatment

Orthophosphoric acid, acidity indicator, buffer reagents, adjuvant, water

Lacmus

Advantages
- Improves water quality
- Reduces water hardness and alkalinity
- Improves stability and homogeneity of the working solution
- Reduces the surface tension of the liquid due to the presence of an adjuvant
- Increases the overall efficiency of chemical treatment

Orthophosphoric acid, acidity indicator, buffer reagents, adjuvant, water

Lacmus

Advantages
- Improves water quality
- Reduces water hardness and alkalinity
- Improves stability and homogeneity of the working solution
- Reduces the surface tension of the liquid due to the presence of an adjuvant
- Increases the overall efficiency of chemical treatment

Orthophosphoric acid, acidity indicator, buffer reagents, adjuvant, water

Lacmus

Advantages
- Improves water quality
- Reduces water hardness and alkalinity
- Improves stability and homogeneity of the working solution
- Reduces the surface tension of the liquid due to the presence of an adjuvant
- Increases the overall efficiency of chemical treatment

Orthophosphoric acid, acidity indicator, buffer reagents, adjuvant, water

Lacmus

Advantages
- Improves water quality
- Reduces water hardness and alkalinity
- Improves stability and homogeneity of the working solution
- Reduces the surface tension of the liquid due to the presence of an adjuvant
- Increases the overall efficiency of chemical treatment

Orthophosphoric acid, acidity indicator, buffer reagents, adjuvant, water

Lacmus

Advantages
- Improves water quality
- Reduces water hardness and alkalinity
- Improves stability and homogeneity of the working solution
- Reduces the surface tension of the liquid due to the presence of an adjuvant
- Increases the overall efficiency of chemical treatment

Orthophosphoric acid, acidity indicator, buffer reagents, adjuvant, water

Lacmus
Microbiological products

BCC.

BIOCOMPOSITE CORRECT

BED.

BIOCOMPOSITE DESTRUCT

MIK.

MIKORYZE

RIZP.

RIZOFORM PEAS

RIZS.

RIZOFORM SOYBEAN

Foliar fertilisers containing micronutrients, mesonutrients, and macronutrients

ULC.

ULTRAMAG COMBI

UL.

ULTRAMAG

Organomineral fertilizer based on humic acids

SUF.

POTASSIUM HUMATE SULFER

Amino acid biostimulants

RIO.

BIOSTIM
**Microbiological product for any farming systems and all crop rotation links**

- **Advantages**
  - Accelerates straw decomposition and mineralization of stubble remains
  - Suppresses disease excitants remaining on plant residues in soil
  - Assimilates atmospheric nitrogen enriching the soil with 150 kg/ha per season
  - Mobilizes the soil-bound phosphorus transforming it into a highly digestible form
  - Efficiently protects farming crops against root system and foliage diseases
  - Stimulates the growth and development of plants

**BIOCOMPOSITE**

**Bcc.**

*the overall titer of the formulation is at least $1 \times 10^9$ CFU/ml.*

**Bcd.**

*A consortium of agriculturally valuable strains of several beneficial bacterial species in a culture liquid, with a total titre of at least $1 \times 10^9$ CFU/ml.*

**Bcc.**

*A microbiological degrader for accelerated decomposition of stubble remains after harvesting.*

**Bcd.**

*A consortium of agriculturally valuable strains of several beneficial bacterial species in a culture liquid, with a total titre of at least $1 \times 10^9$ CFU/ml.*

**MIKORYZE**

*composition based on a consortium of microorganisms*

**Bcc.**

*Microbiological fertilizer to improve survival and promote the growth of nursery plants, seedlings, cuttings*

**Bcd.**

*A consortium of agriculturally valuable strains of several beneficial bacterial species in a culture liquid, with a total titre of at least $1 \times 10^9$ CFU/ml.*

**Rizp. RIZOFORM PEAS**

*mizobium leguminosarum D70*

*Liquid inoculant based on special nitrogen fixing bacteria strain for seed treatment of peas, vetch, beans, lentils.*

**Riz. RIZOFORM SOYBEAN**

*Bradyrhizobium japonicum 10^9-10^{10} CFU/ml*

*Highly effective liquid inoculant for soybean seed treatment and application to the soil during sowing.*

**Riz.**

*Composition based on a consortium of microorganisms*

**Bcc.**

*Microbiological degrader for accelerated decomposition of stubble remains after harvesting.*

**Bcd.**

*A consortium of agriculturally valuable strains of several beneficial bacterial species in a culture liquid, with a total titre of at least $1 \times 10^9$ CFU/ml.*

**Bcc.**

*A microbiological degrader for accelerated decomposition of stubble remains after harvesting.*

**Bcd.**

*A consortium of agriculturally valuable strains of several beneficial bacterial species in a culture liquid, with a total titre of at least $1 \times 10^9$ CFU/ml.*

**Riz.**

*Composition based on a consortium of microorganisms*

**Bcc.**

*Microbiological degrader for accelerated decomposition of stubble remains after harvesting.*

**Bcd.**

*A consortium of agriculturally valuable strains of several beneficial bacterial species in a culture liquid, with a total titre of at least $1 \times 10^9$ CFU/ml.*

**Bcc.**

*A microbiological degrader for accelerated decomposition of stubble remains after harvesting.*

**Bcd.**

*A consortium of agriculturally valuable strains of several beneficial bacterial species in a culture liquid, with a total titre of at least $1 \times 10^9$ CFU/ml.*

**Riz.**

*Composition based on a consortium of microorganisms*

**Bcc.**

*Microbiological degrader for accelerated decomposition of stubble remains after harvesting.*

**Bcd.**

*A consortium of agriculturally valuable strains of several beneficial bacterial species in a culture liquid, with a total titre of at least $1 \times 10^9$ CFU/ml.*

**Bcc.**

*A microbiological degrader for accelerated decomposition of stubble remains after harvesting.*

**Bcd.**

*A consortium of agriculturally valuable strains of several beneficial bacterial species in a culture liquid, with a total titre of at least $1 \times 10^9$ CFU/ml.*

**Riz.**

*Composition based on a consortium of microorganisms*

**Bcc.**

*Microbiological degrader for accelerated decomposition of stubble remains after harvesting.*

**Bcd.**

*A consortium of agriculturally valuable strains of several beneficial bacterial species in a culture liquid, with a total titre of at least $1 \times 10^9$ CFU/ml.*

**Bcc.**

*A microbiological degrader for accelerated decomposition of stubble remains after harvesting.*

**Bcd.**

*A consortium of agriculturally valuable strains of several beneficial bacterial species in a culture liquid, with a total titre of at least $1 \times 10^9$ CFU/ml.*

**Riz.**

*Composition based on a consortium of microorganisms*
Features and advantages
The products contain a special complex of adjuvants, including substances with surface active properties, which provides improved spreading and the maximum degree of working solutions on the leaves.

High content of essential microelements

The composition and ratio of microelements of each brand are tailored to the individual needs of a particular crop.

Contain titanium (Ti), a plant growth activator, which allows a qualitative increase in the assimilation of nutrients from the leaves and soil.

Effective maintenance of microelement balance during the critical periods of crop development.

Stable improvement of qualitative and quantitative yield parameters

Compatible with Schelkovo Agrohim pesticides

Practically feasible liquid form

Stable working solutions, do not clog nozzles.

Features
The formulations are conceived to replenish the balance and to prevent shortages in key microelements during various vegetation periods of agricultural crops.

Foliar fertilisers ULTRAMAG COMBI

- Ultrasol Phosphorus Active
- Ultrasol Phosphorus Super
- Ultrasol Potassium
- Ultrasol Calcium
- Super Sulfur-900
- Super Zinc-700
- Boron
- Molybdenum
- Chelate Fe-13
- Chelate Zn-15
- Chelate Mn-13
- Chelate Cu-15

<table>
<thead>
<tr>
<th>Ultramag Combi for cereals</th>
<th>15.0</th>
<th>4.5</th>
<th>2.0</th>
<th>1.0</th>
<th>0.9</th>
<th>0.8</th>
<th>0.1</th>
<th>0.5</th>
<th>0.005</th>
<th>0.02</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ultramag Combi for beet</td>
<td>15.0</td>
<td>2.5</td>
<td>2.0</td>
<td>0.5</td>
<td>0.5</td>
<td>0.5</td>
<td>0.2</td>
<td>0.2</td>
<td>0.005</td>
<td>0.02</td>
</tr>
<tr>
<td>Ultramag Combi for corn</td>
<td>15.0</td>
<td>2.5</td>
<td>0.5</td>
<td>0.05</td>
<td>0.05</td>
<td>0.4</td>
<td>0.4</td>
<td>0.4</td>
<td>0.005</td>
<td>0.05</td>
</tr>
<tr>
<td>Ultramag Combi for oilseeds</td>
<td>15.0</td>
<td>2.5</td>
<td>1.0</td>
<td>1.0</td>
<td>1.0</td>
<td>0.4</td>
<td>0.4</td>
<td>0.4</td>
<td>0.005</td>
<td>0.02</td>
</tr>
<tr>
<td>Ultramag Combi for legumes</td>
<td>15.0</td>
<td>1.0</td>
<td>2.0</td>
<td>0.5</td>
<td>0.05</td>
<td>0.3</td>
<td>0.3</td>
<td>0.3</td>
<td>0.005</td>
<td>0.02</td>
</tr>
</tbody>
</table>

Advantages
- The highest concentration of humic acids.
- Improves plant immunity to fungus and bacterial diseases.
- Intensifies germinating force and germinating power of seeds.
- Mobilizes and strengthens immune system of the plant.
- Stimulates growth and development of a robust root system of the plant.
- Provides microelemental nutrients.
- Extends fruiting season.
- Increases yield.

Organomineral fertilizer based on humic acids.
The Biostim series includes two types of products:

**General purpose fertilizers** (intended for all or most crops):
- **Biostim Start**: liquid fertilizer for seed treatment
- **Biostim Growth**: preparation for foliar dressing of cereal, industrial and fodder crops at their earlier stages of development.
- **Biostim Universal**: biostimulant – anti-stress agent.

**Special purpose fertilizers** (for specific crops):
- **Biostim Cereals**
- **Biostim Maize**
- **Biostim Oilseeds**
- **Biostim Beet**

### Features

Biostim series organomineral fertilizers are a new generation of agrochemicals, also known as biostimulants. Biostimulants activate germinating capacity, seed sprouting, vegetative growth, has a strong anti-stress action, and are powerful promoters if metabolic process in plants.

Biostim series fertilizers contain macro- (NPK), meso- (Mg, S), micro- (Fe, Mn, Zn, Cu, B, Mo) elements, and bioactive organic substances. Basic organic components are amino acids, extractives, poly-/ oligosaccharides, and other active organic molecules. Chelating agents (amino acids) present in formulations determine the highest efficacy level – degree of microelement accessibility.

### Amino acid biostimulants (content in %wt.)

<table>
<thead>
<tr>
<th>Biostim</th>
<th>Start</th>
<th>Growth</th>
<th>Universal</th>
<th>Cereals</th>
<th>Beet</th>
<th>Oilseeds</th>
<th>Maize</th>
<th>Beet</th>
</tr>
</thead>
<tbody>
<tr>
<td>Free amino acids of plant origin, %</td>
<td>4.0</td>
<td>10.0</td>
<td>11.0</td>
<td>7.0</td>
<td>6.0</td>
<td>6.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Polysaccharides, %</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Phosphorus, %</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>P₂O₅</td>
<td>0.0</td>
<td>10.0</td>
<td>10.0</td>
<td>4.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>K₂O</td>
<td>0.5</td>
<td>1.0</td>
<td>1.0</td>
<td>4.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MgO</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CaO</td>
<td>0.1</td>
<td>1.0</td>
<td>1.0</td>
<td>1.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>S</td>
<td>0.0</td>
<td>1.0</td>
<td>1.0</td>
<td>1.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fe</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mn</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zn</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cu</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mo</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Co</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>