



**SCHELKOVO
AGROHIM**

CATALOG 'ENG



**SCHELKOVO
AGROHIM**

COMBINING
SCIENCE AND PRACTICE

Codes for formulations

WG – water dispersible granules
SL – soluble concentrate, soluble liquid
SP – water-soluble powder
EW – emulsion, oil in water
CSC – colloid solution concentrate

SC – suspension concentrate
EC – emulsifiable concentrate
OD – oil dispersion
EO – emulsion, water in oil
OEC – oil emulsion concentrate

ME – microemulsion
SME – suspension microemulsion
WP – wettable powder
SE – suspo-emulsion
TB – tablets

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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/>



About company

SCHELKOVO AGROHIM
is the market leader in agrochemicals and seeds

The company focuses on improving the research and production capacity of Russian agrochemistry and agriculture through 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 tradition

The history of Schelkovo Agrohim dates back to 1876, when one of the leading Russian manufacturers, Ludwig Rabenek, head of the Partnership of Manufactories, 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 (VNIHHSZR) 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 1998 on the basis of the chemical plant Schelkovo Agrohim Enterprise and the Schelkovo branch of the VNIHHSZR. It took control of several major pesticide production workshops as well as a number of warehouses. 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 plant protection solutions to the pesticide market. Today, the company produces about 50 thousand tonnes of goods worth approximately 30 billion roubles. Schelkovo Agrohim sells its products in all agricultural regions of Russia and the CIS countries, and it is actively expanding into non-CIS markets. Sales are handled by regional offices and exclusive distributors. Official representative offices in 60 cities throughout Russia and abroad provide 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, fumigants, rodenticides, desiccants, pheromones, microbiological products, amino acid biostimulants, microfertilisers for foliar dressings, plant growth regulators, etc.

The company has production facilities in Russia, Kazakhstan, and Uzbekistan. The main production is housed in five powerful independent workshops on an area of more than 35,000 square metres in the city of Schelkovo, Moscow Region. This 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 polymer container workshop, which houses lines for the production of polyethylene canisters, including multilayer COEX containers with a protective barrier layer for packaging aggressive pesticides. The total capacity is 5 million units per year. Raw materials and finished goods are stored in warehouse complexes covering more than 12 thousand square metres and outfitted with high-level storage racks and modern specialised equipment from leading European manufacturers. Products are then delivered to each region via a vast warehouse network of representative offices.

Schelkovo Agrohim products are consistently of high quality, which the consumer can rely on. The company has implemented a quality management system in accordance with the requirements of ISO 9001:2015. High-tech production and a multi-stage analytical control system ensure the release of high-quality products and the absence of defects at all stages of manufacture, from product development to commercial production and finished product acceptance. The state-of-the-art DataMatrix code marking system protects goods from counterfeiting, contains more product information, and ensures data saving and reading, even from a damaged label.

Schelkovo Agrohim's products are all state-registered and have official permission to be used in Russia, the CIS countries, and all over the world. This is preceded by many years of extensive research and testing, which includes determining pesticide biological effectiveness, environmental impact safety, and toxicological, hygienic, and other characteristics.

Research Centre

Schelkovo Agrohim ranks first among Russian manufacturers in terms of research capabilities. The VNIHHSZR team stood at the origins of the company's research. The team grew over time and was replenished with new and promising members. The company's research centre is now on par with the largest research institutes

About company



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 centres, as well as centres for mass seed reproduction, were established as part of the project; seed plants were built and put into operation for the industrial preparation of seeds for sowing. As a result, Schelkovo Agrohim offers agricultural producers the opportunity to purchase high-quality seeds of highly productive Russian varieties and hybrids of crops such as winter and spring wheat, soybeans, peas, buckwheat, sugar beet, sunflower, and corn.

in Russia. The centre, which is led by a Russian Academy of Sciences academician, employs over 130 researchers. A Corresponding Member of the Russian Academy of Sciences, Doctors of Science, and Candidates of Chemical, Biological, and Technical Sciences are among them.

Agriculture today would be impossible to imagine without innovations and modern technologies that provide maximum and sustainable crop yields while having the least possible environmental impact. Because of the centre's highest scientific potential and most modern equipment, Schelkovo Agrohim has the opportunity to bring innovative 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 NANOformulations and oil formulations, as well as original formulations, synthesis methods, and active substance production technologies. Many of these innovations have never been seen before. Schelkovo Agrohim holds over 100 patents for inventions. The company has received worldwide recognition on numerous occasions, 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, pheromones, and pharmaceutical ingredients, the creation of new formulations, the discovery of effective combinations of active substances and their formulations, and the execution of chemical analytical tests. A Biological Laboratory was established at the Schelkovo Agrohim Research Centre to conduct comparative tests of various formulations and determine the most promising of them, as well as for operational off-season biological research of the efficacy and biological activity of products. The Laboratory performs pipeline product screening tests as well as PCR and ELISA analyses. The Laboratory's capabilities include artificial climate and lighting control.

Business areas



Production of plant protection chemicals, agrochemicals, and seeds for large-scale agricultural production, farms, and personal subsidiary plots



Experimental farm and seed production centre



Breeding and non-traumatic seed production facility for winter wheat, soybeans, and sunflower



Selection and genetic centre for new generation sugar beet hybrids



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



Cattle breeding facility for the production of sperm and embryos



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



Intensive-type gardens



Official dealer of Italian agricultural machinery (Projet and Mascar)

Comprehensive crop protection systems




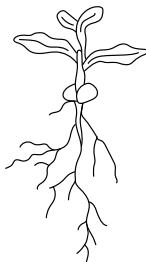
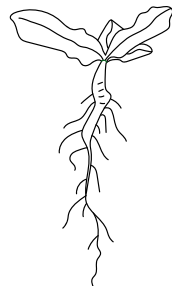
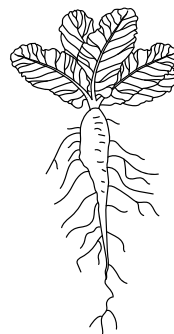
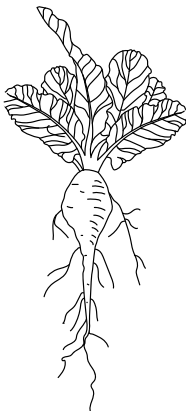
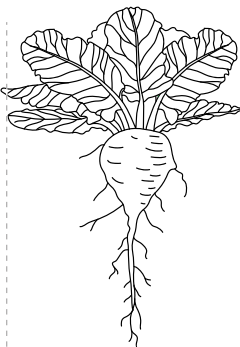

- Comprehensive protection of cereal crops
- Comprehensive protection of sugar beet
- Comprehensive protection of soybean
- Comprehensive protection of peas
- Comprehensive protection of sunflower
- Comprehensive protection of maize
- Comprehensive protection of fibre flax and oil flax
- Comprehensive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

Comprehensive protection of cereal crops


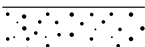

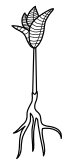

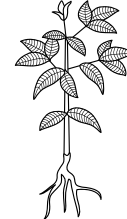
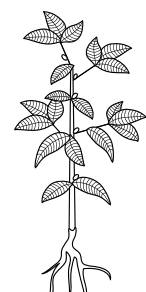
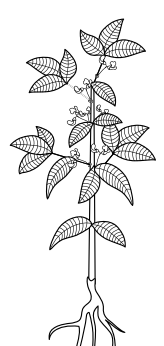
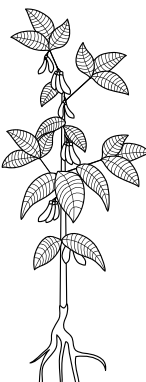
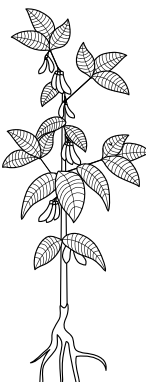
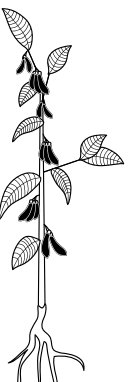
Harmful object		seeds; before sowing	first/second leaf stage	third leaf stage	beginning of tillering	middle of tillering	end of tillering	stem elongation	first joint stage	second joint stage	flag leaf	earing	flowering	yellow ripeness	ripeness	
		0	11	12	21	25	29	30	31	32	39	51-59	61-69	83-87	90	
DISEASES	Loose smut, stinking smut, Fusarium root rot, Helminthosporium root rot, powdery mildew, seed molding, Fusarium mold	Benefis, ME 0,6-0,8 l/t Benefis Supreme, ME 0,6-0,8 l/t Heraklion, SC 1,0-1,2 l/t Polaris, ME 1,0-1,5 l/t Polaris Quatro, SME 1,2-1,5 l/t Protego Max, ME 0,8-1,0 l/t Scarlet, ME 0,3-0,4 l/t Tebu 60, ME 0,4-0,5 l/t Tuareg, SME 1,0-1,4 l/t														
	Fusarium root rot, Fusarium mold, Cercospora spot, Helminthosporium blight, powdery mildew		Benazol, WP 0,3-0,6 kg/ha	ZIM 500, SC 0,3-0,6 l/ha												
	Powdery mildew, rust, Helminthosporium blight, Septoria blight, Fusarium head blight, tan spot, Rhynchosporium leaf spot					Azorro, SC 0,8-1,0 l/ha										
						Titul DUO, CSC 0,25-0,32 l/ha Titul Trio, CSC 0,4-0,6 l/ha				Titul 390, CSC 0,26 l/ha Capella, ME 0,8-1,0 l/ha		Triada, CSC 0,5-0,6 l/ha Ace, CSC 0,6-1,0 l/ha				
PESTS	Seedling pests: aphids, ground beetle, flea beetles, corn flies	Bombarda, SC 0,8-1,2 l/t Imidor PRO, SC 0,75-1,25 l/t Polaris Quatro, SME 1,2-1,5 l/t Tuareg, SME 1,0-1,4 l/t Harita, SC 0,3-0,6 l/t	Beretta, OD* 0,4 l/ha Kinfos, EC 0,5 l/ha Espero, SC 0,1-0,25 l/ha				Diazinon Express, EC* 1,5-1,8 l/ha Faskord, EC 0,1-0,15 l/ha									
	Aphids, Trigonotylus ruficomis, Lema beetles, flea beetles, thrips, Eurygaster integriceps, sawflies, stem flies, leafhoppers, corn flies, cereal chafers			Imidor, SL 0,06-0,07 l/ha				Kinfos, EC 0,15-0,25 l/ha Espero, SC 0,1 l/ha		Tagor, EC 1,0-1,5 l/ha Sparring, OD 0,1-0,3 l/ha		Beretta, OD 0,3 l/ha Meadows, OD 0,05-0,75 l/ha		Faskord, EC 0,1-0,15 l/ha		
WEEDS	Annual and perennial dicotyledonous and grass weeds	Sprut Extra, SL 1,4-4,0 l/ha														
	Annual and perennial dicotyledonous weeds, including those resistant to 2,4-D and MCPA				Uniko, CSC 1,0-1,5 l/ha											
	Annual and perennial dicotyledonous weeds, including thistle species				Pixel, OD 0,25-0,3 l/ha		Pinta, OD 0,1-0,15 l/ha		Fortissimo, OD 0,4-0,7 l/ha							
	Annual dicotyledonous weeds				Lintaplan, SL 0,7-1,5 l/ha											
	Thistle, chamomile, and lettuce species				Lornet, SL 0,16-0,66 l/ha											
	Annual dicotyledonous and grass weeds				Zontran, CSC* 0,3-0,5 l/ha											
	Annual grass weeds (bristle grass species, millet species, wild oat, etc.)				Ovsugen Super, EC 0,4-0,6 l/ha			Ovsugen Express, EC 0,4-0,6 l/ha		Argo, ME 0,7-1,0 l/ha		Argo Prime, ME 0,4-0,55 l/ha				
	Annual dicotyledonous weeds, including those resistant to 2,4-D and MCPA			Zinger, WP 0,008-0,01 kg/ha Granat, WG 0,015-0,025 kg/ha												
	Annual dicotyledonous weeds, including those resistant to 2,4-D and MCPA, and perennial weeds, including thistle species				Drotik, CSC 0,4-0,9 l/ha Damba, SL 0,15-0,3 l/ha		Femida, OD 0,7-0,9 l/ha									
Annual dicotyledonous weeds, including those resistant to 2,4-D and MCPA, and some perennial weeds				Primadonna, SE 0,6-0,9 l/ha Primadonna Super, CSC 0,4-0,75 l/ha Fenizan, SL 0,14-0,2 l/ha			Drotik, CSC 0,4-0,5 l/ha + Zinger, WP 0,005 kg/ha Drotik, CSC 0,4-0,5 l/ha + Granat, WG 0,01 kg/ha Primadonna, SE 0,4-0,5 l/ha + Zinger, WP 0,005 kg/ha Primadonna, SE 0,4-0,5 l/ha + Granat, WG 0,01 kg/ha									
Dessication and growth regulators	Emistim 1 ml/t						Hefk, SL 0,5-1,0 l/ha							Tongara, SL 1,5-2,0 l/ha		
					Costando, EC 0,2-0,4 l/ha											
Micro- and organo-mineral fertilizers for pre-sowing seed treatments, root top and foliar dressings		Potassium Humate Sufler Biostim Start	Ultramag Molybdenum* Biostim Growth		Biostim Cereals Biostim Universal		Ultramag Combi for cereals Ultramag Super Zinc-700/ Sulfur-900		Ultramag Phosphorus Active/ Super Ultramag Chelate Cu-15/ Zn-15/ Mn-13/ Fe-13			Ultramag Potassium Potassium Humate Sufler				
Microbiological fertilizers		Biocomposite Correct Biocomposite Destruct	Biocomposite Correct													

* Only used on winter crops in autumn


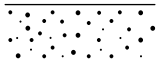
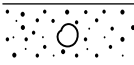


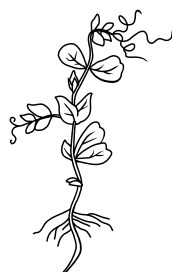

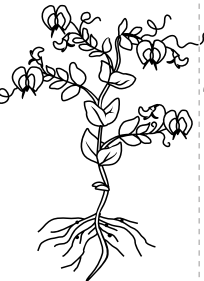



Comprehensive protection of sugar beet

Comprehensive protection of sugar beet												
		Harmful object	before sowing, before sprouting	sowing – seedlings	cotyledons	two true leaves	four true leaves	six true leaves	eight true leaves	50% closing of the rows	30-60 days before harvesting	treatment of root crops before piling for storage
		00	01-07	10	12	14	16	18	35			
WEEDS	Annual grass and dicotyledonous weeds	Sprut Extra, SL 1,4-2,5 l/ha Acetal PRO, EC 2,0-3,0 l/ha Gals, EC 0,2 l/ha			Acetal PRO, EC 2,5-3,0 l/ha							
	Perennial grass and dicotyledonous weeds	Sprut Extra, SL 2,5-4,0 l/ha										
	Annual dicotyledonous weeds, including amaranth, and some grass weeds		Betaren Super MD, OEC 0,9-3,6 l/ha Betaren Express AM, EC 2,0-4,0 l/ha				Betaren 22, OEC 1,0-3,0 l/ha	Action, SC 1,0-2,0 l/ha				
	Annual dicotyledonous weeds, including goosefoot and prostrate amaranth		Mitron, SC 1,5-2,0 l/ha				Kondor Forte, OD 0,125 l/ha	Kondor, WG 30 r/ra + Satellite 0,2 l/ha				
	Thistle, chamomile, knotweed, and lettuce species			Lornet, SL 0,3-0,5 l/ha		Lornet, SL 0,1 + 0,2 l/ha (twice, during the first and second waves of weeds)						
	Annual grass weeds		Healer, OEC 0,75-1,0 l/ha	Forward, OEC 0,9-1,2 l/ha		Censor Max, OEC 0,6-0,7 l/ha		Censor, EC 0,2-0,4 l/ha + Mikado				
	Perennial grass weeds		Healer, OEC 1,0-1,5 l/ha	Forward, OEC 1,2-2,0 l/ha		Censor Max, OEC 1,4-1,6 l/ha		Censor, EC 0,7-1,0 l/ha + Mikado				
DISEASES	Powdery mildew, Cercospora spot, Phoma rot		Benazol, WP 0,6-0,8 kg/ha ZIM 500, SC 0,6-0,8 kg/ha Azorro, SC 0,6-1,0 l/ha				Titul 390, CSC 0,26 l/ha Titul DUO, CSC 0,3-0,4 l/ha Vintage, ME 0,6-0,8 l/ha	Mysteria, ME 1,0-1,25 l/ha Titul Trio, CSC 0,4-0,6 l/ha				
	Root and grey rots									Kagatnik, SL 2,0 l/ha	Kagatnik, SL 0,06 l/t	
PESTS	Beet flea beetles, weevils, aphids, sod webworms, Pegomya betae, sugar beet weevil, cutworms			Imidor, SL 0,1-0,4 l/ha Pirelli, EC 0,5-1,0 l/ha			Faskord, EC 0,1 l/ha Espero Euro, OD 0,2-0,5 l/ha	Kinfos, EC 0,25-0,4 l/ha Beretta, OD 0,3-0,4 l/ha	Mekar, ME 0,4-0,6 l/ha Espero, SC 0,1-0,2 l/ha Yunona, ME 0,2-0,4 l/ha			
Micro- and organo-mineral fertilizers for foliar dressings						Ultramag Combi for beet Ultramag Boron Potassium Humate Sufler	Ultramag Potassium Ultramag Calcium Ultramag Phosphorus Active Ultramag Phosphorus Super Ultramag Super Sulfur-900	Biostim Beet Biostim Universal Biostim Growth				
Microbiological fertilizers		Biocomposite Destruct Biocomposite Correct				Biocomposite Correct						



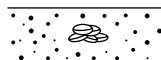
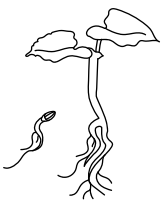


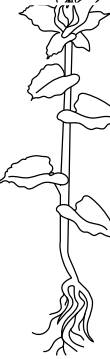
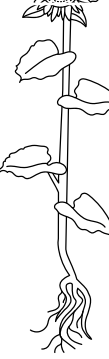
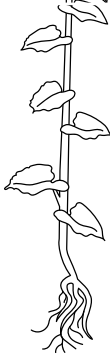

Comprehensive protection of soybean

												
Harmful object		seeds	before sowing	sowing–before sprouting	frondescence	development of shoots	branching	budding	flowering	pod and seed development	seed filling	ripening
		00	00	08	10	12-13	21-49	51-59	60-70	71-77		82-85
WEEDS	Annual and perennial grass and dicotyledonous weeds		Sprut Extra, SL 1,4–4,0 l/ha									
	Annual grass and dicotyledonous weeds			Brig, SC 2,5–3,5 l/ha Zontran, CSC 0,6–1,2 l/ha Gals, EC 0,7–1,0 l/ha								
			Versia, OD 3,0–4,0 l/ha									
	Annual grass weeds and some dicotyledonous weeds			Acetal PRO, EC 2,0–3,0 l/ha		Галс, КЭ 0,7–1,0 l/ha						
	Annual and some perennial dicotyledonous and grass weeds				Hermes, OD 0,7–1,0 l/ha							
	Annual and some perennial dicotyledonous weeds, annual grass weeds				Concept, OD 0,6–1,0 l/ha							
	Annual dicotyledonous weeds, including those resistant to 2,4-D and triazines				Kupazh, WG 0,006–0,008 kg/ha							
	Annual dicotyledonous weeds				Tanto, CSC 0,75–1,0 l/ha							
	Annual dicotyledonous weeds, including common cocklebur				Benito, CSC 2,0–3,0 l/ha							
	Annual dicotyledonous weeds, annual and perennial grass weeds				Geizer, CSC 2,0–3,0 l/ha							
DISEASES	Annual and perennial grass weeds				Forward, OEC 0,9–2,0 l/ha		Healer, OEC 0,75–1,5 l/ha		Censor Max, OEC 0,6–1,6 l/ha Censor, EC 0,2–1,0 l/ha + Mikado			
	Fusarium root rot, Ascochyta blight, Fusarium blight, seed mold	Benefis Supreme, ME/ Benefis, ME 0,6–0,8 l/t Scarlet, ME 0,4 l/t Depozit Supreme, ME/ Depozit, ME 1,0–1,2 l/t Heraklion, SC 1,0–1,2 l/t										
	Ascochyta blight, canker, Septoria blight, Fusarium blight, Cercospora spot, downy mildew				Vintage, ME 0,6–0,8 l/ha				Mysteria, ME 1,0–1,2 l/ha			Azorro, SC 0,6–1,0 l/ha
PESTS	Seedling pests	Imidor PRO, SC 2,0–2,5 l/t										
	Sod webworms, soybean pod borer, spider mite, cotton budworm, lima bean pod borer				Akardo, CSC 0,4–0,5 l/ha Mekar, ME 0,4–0,6 l/ha		Kinfos, EC 0,3–0,5 l/ha Diflomite, SC 0,3 l/ha		Pirelli, EC 0,8–1,0 l/ha Espero, SC 0,15–0,2 l/ha		Karachar, EC 0,4 l/ha Yunona, ME 0,2–0,4 l/ha	
Dessication and prevention of pod shatter												Tongara, SL 1,5–2,0 l/ha Selfi 1,0 l/ha
Micro- and organo-mineral fertilizers for pre-sowing seed treatments, root top and foliar dressings		Potassium Humate Sufler Biostim Start			Biostim Oilseed Biostim Growth Biostim Universal		Ultramag Combi for legumes, Ultramag Molybdenum Ultramag Boron, Ultramag Phosphorus Active/ Super Ultramag Super Sulfur-900				Ultramag Potassium	
Microbiological fertilizers		Biocomposite Correct		Biocomposite Correct Biocomposite Destruct		Biocomposite Correct						
Inoculant		Rizoform Soybean										

Comprehensive protection of peas







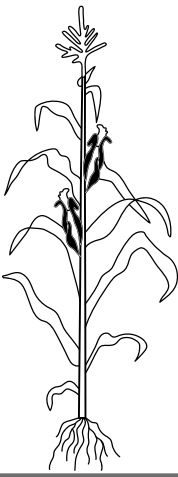
														
Harmful object		seeds	before sowing	sowing – before sprouting	seedlings	shooting			stem branching	budding	flowering	pod formation	seed filling	seed ripening
		00	00	01-05	07-09	10-12	13-15	16	31-39	51-55	61-67	71-79	81	
WEEDS	Annual grass and dicotyledonous weeds		Sprut Extra, SL 1,4-2,5 l/ha											
	Perennial grass and dicotyledonous weeds		Sprut Extra, SL 2,5 - 4,0 l/ha											
	Annual and some perennial dicotyledonous and grass weeds					Hermes, OD 0,7-0,9 l/ha		Geizer, CSC 2,0-3,0 l/ha						
	Annual dicotyledonous weeds, including those resistant to MCPA							Benito, CSC 1,5-3,0 l/ha						
	Annual dicotyledonous weeds						Lintaplant, SL 0,5-0,8 l/ha							
	Annual grass weeds					Forward, OEC	0,9-1,2 l/ha							
	Perennial grass weeds					Forward, OEC	1,2-2,0 l/ha							
DISEASES	Fusarium root rot, Ascochyta blight, Fusarium blight, seed mold	Scarlet, ME 0,3-0,4 l/t Depozit, ME 1,0-1,2 l/t Depozit Supreme, ME 1,0-1,2 l/t Heraklion, SC 1,0-1,2 l/t												
	Ascochyta blight, canker, rust, powdery mildew				Vintage, ME 0,8-1,0 l/ha	Titul DUO, CSC 0,32-0,4 l/ha								
PESTS	Sod webworms, pea moth, spider mite, pea weevil, pea aphid				Kinfos, EC 0,25-0,4 l/ha	Faskord, EC 0,1 l/ha	Espero, SC 0,1-0,2 l/ha							
	Seedling pests	Imidor PRO, SC 0,75- 1,25 l/t												
Plant growth regulator		Imidor PRO, SC 0,75- 1,25 l/t												
Dessication														Tongara, SL 1,5-2,0 l/ha
Prevention of pod shatter														Selfi 1,0 l/ha
Micro- and organo-mineral fertilizers for pre-sowing seed treatments, root top and foliar dressings		Potassium Humate Sufler, Biostim Start, Ultramag Molybdenum				Ultramag Combi for legumes Ultramag Boron	Ultramag Molybdenum Ultramag Phosphorus Active/ Super	Ultramag Super Sulfur-900	Biostim Universal Biostim Oilseed				Ultramag Potassium	
Microbiological fertilizers		Biocomposite Correct	Biocomposite Destruct											
Inoculant		Rizoform Peas												

Comprehensive protection of sunflower









of sunflower											
Harmful object		seeds; before sowing	sowing – before sprouting	seedlings	2-4 true leaves	6-8 true leaves	budding	anthodium formation	seed ripening	ripeness	
		00	01-03	05-10	12-14	15-18	51-59	71-79	85-89	92	
DISEASES	Stem blight, white mold (foot form), grey mold (seed infection), Fusarium root rot, seed mold	Scarlet, ME 0,4 l/t Heraklion, SC 1,6-2,0 l/t Messer, ME 5 l/t									
	Phoma rot, dry rot of heads, Alternaria blight, white and grey mold, rust			Titul DUO, CSC 0,4-0,5 l/ha			Mysteria, ME 1,0-1,25 l/ha		Titul Trio, CSC 0,4-0,6 l/ha		
PESTS	Wireworms, Opatnim sabulosum, etc.	Imidor PRO, SC 15 l/t Harita, SC 4,7-5,8 l/t									
	Cut worms, cabbage moth, cotton budworm, sod webworms			Kinfos, EC 0,25-0,4 l/ha			Espero, SC 0,15-0,2 l/ha		Yunona, ME 0,2-0,4 l/ha	Sparring, OD 0,1-0,3 l/ha	
WEEDS	Annual grass and dicotyledonous weeds	Sprut Extra, SL 1,4-2,5 l/ha		Acetal PRO, EC 2,0-3,0 l/ha Brig, SC 2,0-3,5 l/ha Estamp, EC 3,0-6,0 l/ha Versia, OD 3,0-4,0 l/ha		Acetal PRO, EC 3,0 l/ha					
	Perennial grass and dicotyledonous weeds	Sprut Extra, SL 2,5-4,0 l/ha									
	Annual and some perennial dicotyledonous weeds						Sanflo, WG** 0,025-0,05 kg/ha				
	Annual and some perennial dicotyledonous and grass weeds						Hermes, OD* 0,9-1,0 l/ha		Hermes Forte, OD* 1,0-1,5 l/ha		
	Annual and perennial grass weeds			Forward, OEC 0,9-2,0 l/ha			Healer, OEC 0,75-1,5 l/ha		Censor, EC 0,2-1,0 l/ha + Mikado		
Dessication											Tongara, SL 1,5-2,0 l/ha
Micro- and organo-mineral fertilizers for pre-sowing seed treatments, root top and foliar dressings		Potassium Humate Sufler Biostim Start					Ultramag Phosphorus Active/ Super				
							Ultramag Combi for oilseeds Ultramag Super Zinc-700 Ultramag Super Sulfur-900		Ultramag Chelate Zn-15 Biostim Universal Biostim Oilseed	Ultramag Boron Potassium Humate Sufler	
Microbiological fertilizers		Biocomposite Correct Biocomposite Destruct		Biocomposite Correct							

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

Comprehensive protection of maize





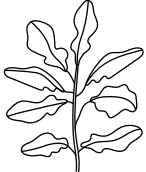
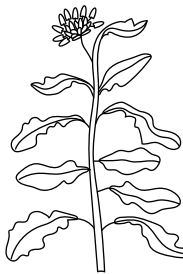

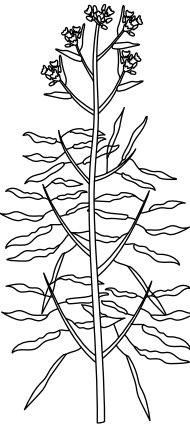
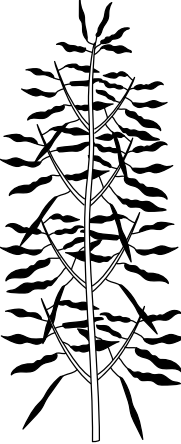
								
Harmful object		seeds; before sprouting	seedlings	3-5 leaves	5-7 leaves	stem elongation	tasselling - flowering	harvest formation - ripening
		00	10	13-15	17	31-39	51-65	85-89
DISEASES	Boil smut, head smut, Fusarium root and foot rots, Fusarium blight, seed and ear mold	Scarlet, ME 0,4 l/t			Titul Trio, CSC 0,4-0,6 l/ha			
	Wireworms, cut worms	Imidor PRO, SC 12,5-15 l/t						
PESTS	European corn borer, sod webworms, cotton budworm, polyphagous pests, aphids, leafhoppers, etc.		Kinfos, EC 0,25-0,4 l/ha	Faskord, EC 0,15-0,25 l/ha	Espero, SC 0,15-0,2 l/ha	Yunona, ME 0,2-0,4 l/ha		
WEEDS	Annual and perennial dicotyledonous and grass weeds	Sprut Extra, SL 1,4-4,0 l/ha		Octava, OD 0,8-1,0 l/ha Kassius, SP 0,03+ 0,02 kg/ha (twice) 0,05 kg/ha (once)				
	Annual grass and dicotyledonous weeds	Acetal PRO, EC 2,0-3,0 l/ha Versia, OD 3,0-4,0 l/ha		Kassius, SP 0,04 kg/ha + Satellite, L 0,2 l/ha				
	Annual dicotyledonous weeds, including those resistant to 2,4-D and triazines			Kupazh, WG 0,015 kg/ha				
	Annual dicotyledonous, annual and perennial grass weeds			Cornegi, SE 1,75-2,0 l/ha				
	Annual and perennial dicotyledonous weeds			Drotik, CSC 0,75-1,2 l/ha Damba, SL 0,4-0,8 l/ha				
	Annual dicotyledonous weeds, including those resistant to 2,4-D and MCPA, some perennial dicotyledonous weeds			Primadonna, SE 0,6-0,9 l/ha Primadonna Super, CSC 0,4-0,75 l/ha				
	Thistle, chamomile, and lettuce species			Lornet, SL 1,0 l/ha				
Micro- and organo-mineral fertilizers for pre-sowing seed treatments, root top and foliar dressings		Biostim Start		Ultramag Chelate Zn-15	Ultramag Super Zinc-700			
				Ultramag Combi for corn	Ultramag Phosphorus Active/ Super	Ultramag Super Sulfur-900		
			Potassium Humate Sufler			Ultramag Boron		
				Biostim Growth		Biostim Universal	Biostim Maize	
Microbiological fertilizers		Biocomposite Destruct Biocomposite Correct		Biocomposite Correct				

Comprehensive protection of fibre flax and oil flax

									
Harmful object		seeds	before sowing	sowing - seedlings	sprouting	'herringbone' phase	budding	flowering	ripening
		00		00	10	14-16	55	65	83-85
DISEASES	Canker, mottle disease	Tebu 60, ME 0,4-0,5 l/t			Vintage, ME 0,6-1,0 l/ha				
PESTS	Large flax flea beetles: Aphthona euphorbiae, Aphthona flaviceps, etc.	Imidor PRO, SC 2,0-2,5 l/t							
	Flea beetles, Laspeyresia, thrips, silver moth			Karachar, EC 0,1-0,15 l/ha		Faskord, EC* 0,1-0,15 l/ha			
WEEDS	Annual grass and dicotyledonous weeds		Sprut Extra, SL* 1,4-2,5 l/ha						
	Perennial grass and dicotyledonous weeds		Sprut Extra, SL* 2,5-4,0 l/ha						
	Annual grass weeds			Forward, OEC* 0,9-1,2 l/ha		Healer, OEC 0,75-1,0 l/ha		Censor Max, OEC* 0,6-0,7 l/ha	
	Perennial grass weeds (couch grass)			Forward, OEC* 1,2-2,0 l/ha		Healer, OEC 1,0-1,5 l/ha		Censor Max, OEC* 1,4-1,6 l/ha	
	Annual dicotyledonous weeds, including those resistant to 2,4-D and MCPA, and some perennial dicotyledonous weeds					Zinger, WP 0,007-0,01 kg/ha Zinger, WP 0,005-0,007 kg/ha+ Lintaplant, SL 0,3 l/ha Lornet, SL* 0,1-0,3 l/ha Fenizan, SL* 0,14-0,2 l/ha			
	Annual dicotyledonous weeds					Lintaplant, SL 0,8-1,0 l/ha			
Micro- and organo-mineral fertilizers for pre-sowing seed treatments, root top and foliar dressings		Biostim Start			Biostim Oilseed Biostim Universal Ultramag Phosphorus Active	Ultramag Super Sulfur-900 Ultramag Combi for oilseeds Ultramag Phosphorus Super	Ultramag Potassium Potassium Humate Sufler Ultramag Boron		
Microbiological fertilizers			Biocomposite Destruct	Biocomposite Destruct					





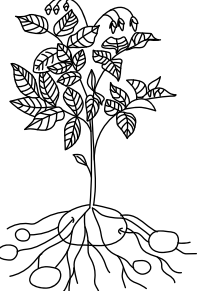
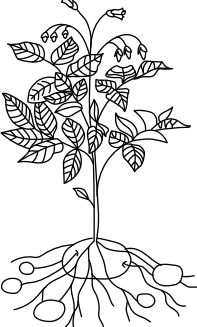

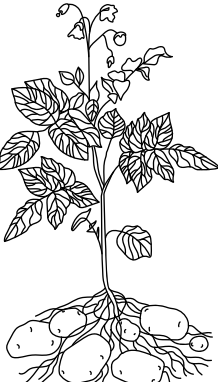
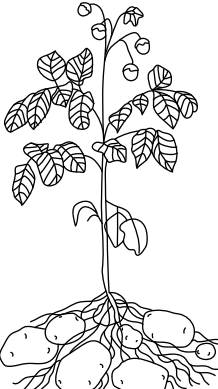

* The product is registered for fibre flax and oil flax

Comprehensive protection of rapeseed

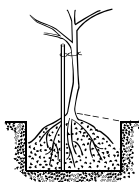











										
Harmful object		seeds; before sowing; before sprouting	seedlings	frondescence	rosette formation	stem formation	budding	flowering	pod formation	seed ripening
		00	07-10	11-19	21-29	31-39	50	61-65	71	81
DISEASES	Root rots, downy mildew, seed molding, Alternaria blight	Scarlet, ME 0,4 l/t								
	Alternaria blight, Phoma rot, powdery mildew			Titul 390, CSC 0,26-0,32 l/ha		Titul DUO, CSC 0,4-0,5 l/ha	Titul Trio, CSC 0,4-0,6 l/ha			
PESTS	Crucifer flea beetles	Imidor PRO, SC 15-20 l/t Harita, SC 4,7-5,8 l/t	Imidor, SL 0,15 l/ha Beretta, OD 0,3-0,4 l/ha							
	Common pollen beetle, crucifer flea beetles, diamond-back moth, etc.			Kinfos Neo, EC 0,2-0,4 l/ha Lokustin, SC 0,2-0,4 l/ha Pirelli, EC 0,5-1,0 l/ha		Apex, OEC 0,2-0,5 l/ha Espero, SC 0,15-0,2 l/ha Imidor, SL 0,15-0,25 l/ha Sparring, OD 0,1-0,3 l/ha	Karachar, EC 0,1-0,15 l/ha Faskord, EC 0,1-0,15 l/ha Beretta, OD 0,3-0,4 l/ha Meadows, OD 0,075-0,25 l/ha			
WEEDS	Annual and perennial dicotyledonous and grass weeds	Sprut Extra, SL 1,4-4,0 l/ha								
	Annual grass and dicotyledonous weeds	Gals, EC 0,2 l/ha								
	Annual and perennial dicotyledonous weeds			Reper, CSC 0,8-1,0 l/ha		Reper Trio, OD 0,2-0,3 l/ha				
	Annual grass weeds, annual and perennial dicotyledonous weeds (for imidazolinone-resistant rapeseed varieties and hybrids)			Ilion, OD* 0,8-1,2 l/ha						
	Thistle, chamomile, knotweed, and lettuce species			Lornet, SL 0,3-0,4 l/ha						
	Annual grass weeds			Forward, OEC 0,9-1,2 l/ha		Healer, OEC 0,75-1,0 l/ha				
	Perennial grass weeds			Forward, OEC 1,2-2,0 l/ha		Healer, OEC 1,0-1,5 l/ha				
Dessication										Tongara, SL 1,5-2,0 l/ha
Prevention of pod shatter										Selfi 1,0 l/ha
Micro- and organo-mineral fertilizers for pre-sowing seed treatments, root top and foliar dressings	Potassium Humate Sufler Biostim Start			Ultramag Molybdenum	Biostim Growth					
						Ultramag Phosphorus Active/ Super		Ultramag Super Sulfur-900		
				Ultramag Combi for oilseeds		Ultramag Boron	Biostim Oilseed	Biostim Universal		
Microbiological fertilizers		Biocomposite Correct Biocomposite Destruct		Biocomposite Correct						

* Ilion, OD: for imidazolinone-resistant spring rapeseed

Comprehensive protection of potato

											
Harmful object		tubers; before planting	before sprouting	sprouting	frondescence (height <5 cm)	frondescence (height <15 cm)	budding	flowering and tuber formation	tuber ripening	top wilting	placement in storage
		00	03	09	11	19	51	61	69-89	91	
DISEASES	Rhizoctonia blight, Fusarium blight	Kagatnik, SL 0,5-0,8 l/t Depozit, ME 0,25-0,4 l/t Depozit Supreme, ME 0,25-0,4 l/t									
	Late blight and Alternaria blight			Metamil MC, WG 2,0-2,5 kg/ha Shirma, SC 0,3-0,4 l/ha Indigo, SC 5,0 l/ha							
	Various tuber rots										Kagatnik, SL 0,25-0,4 l/t
PESTS	Wireworms, Colorado beetle, aphids	Imidor PRO, SC 0,2-0,25 l/t Bombarda, SC 0,5-0,7 l/t									
	Colorado beetle, potato tuber moth, ladybirds, aphids			Imidor, SL 0,1 l/ha	Faskord, EC 0,07-0,1 l/ha	Kinfos, EC 0,15-0,2 l/ha	Beretta, OD 0,4 l/ha	Sparring, OD 0,1-0,3 l/ha			
WEEDS	Annual and perennial dicotyledonous and grass weeds		Sprut Extra, SL 1,4-4,0 l/ha								
	Annual grass and dicotyledonous weeds		Brig, SC 2,0-3,5 l/ha								
	Annual dicotyledonous and grass weeds		Zontran, CSC 1,1-1,4 l/ha (once)	Zontran, CSC 1 l/ha (first treatment)		Zontran, CSC 0,4-0,6 l/ha (second treatment)					
	Perennial grass weeds (couch grass), annual grass weeds, and some dicotyledonous weeds			Kassius, SP 0,05 kg/ha + Satellite, L 0,2 l/ha							
	Annual dicotyledonous weeds		Lintaplant, SL 1,2 l/ha			Lintaplant, SL 1,2 l/ha					
Dessication (seed planting)									Tongara, SL 2,0 l/ha		
Micro- and organo-mineral fertilizers for pre-sowing seed treatments, root top and foliar dressings		Potassium Humate Sufler Biostim Start			Ultramag Potassium Ultramag Calcium	Ultramag Combi for potato Ultramag Chelate Zn-15/ Mn-13/ Fe-13/ Cu-15	Biostim Universal Ultramag Boron Potassium Humate Sufler	Ultramag Phosphorus Active/ Super Ultramag Super Sulfur-900			
Microbiological fertilizers		Biocomposite Correct Biocomposite Destruct			Biocomposite Correct						

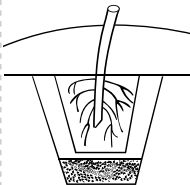
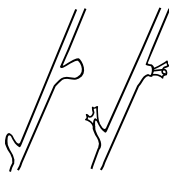

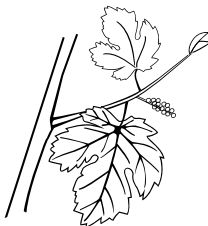
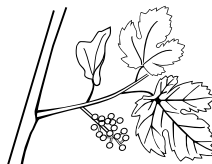
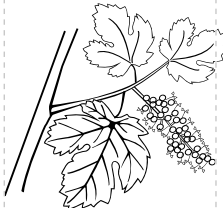
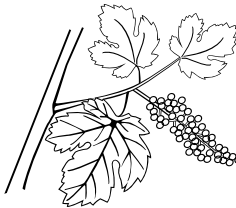
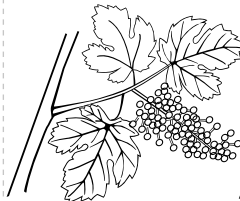
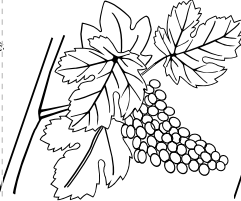

Comprehensive protection of gardens (apple trees)

														
Harmful object		during orchard set-up	'green cone'	budding	advancing - detachment of buds		'pink bud'	flowering	end of flowering	start of fruit setting	'hazel' fruit	'walnut' fruit	fruit growth	fruit ripening
DISEASES	Scab, blossom wilt		Indigo, SC 3,0-5,0 l/ha	Katrex, SC 4,0-6,0 l/ha					Indigo, SC 3,0-5,0 l/ha	Katrex, SC 4,0-6,0 l/ha				
	Alternaria blight, fruit rot, powdery mildew			Kantor, SCS 0,65-0,75 l/ha (2-times)										
	Scab		Kaperang, SC 2,5-3,0 l/ha	Granny, SC 1,0-1,4 l/ha			Shirma, SC 0,5-0,75 l/ha		Shirma, SC 0,5-0,75 l/ha (3-times)	Granny, SC 1,0-1,4 l/ha (5-times)	Kaperang, SC 2,5-3,0 l/ha			
	Scab, 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 1,0-3,0 l/ha (4-times)		Insignia, OD 1,0 l/ha		
	Blossom wilt						Kaperang, SC 2,5-3,0 l/ha		Kaperang, SC 2,5-3,0 l/ha					
PESTS	Apple blossom weevil				Theja, SC 0,18-0,3 l/ha Karachar, EC 0,1-0,15 l/ha		Twingo Euro, OD 0,75-1,2 l/ha Twingo, SC 0,75-1,2 l/ha Meadows, OD 0,06-0,36 l/ha							
	Apple sucker, mites, armoured scales		Mekar, ME 0,75-1,0 l/ha	Akardo, CSC 0,4-0,6 l/ha Diflomite, SC 0,3-0,45 l/ha			Mekar, ME 0,75-1,0 l/ha				Akardo, CSC 0,4-0,6 l/ha Diflomite, SC 0,24-0,45 l/ha		Mekar, ME 0,75-1,0 l/ha	
	Leafroller moths		Theja, SC 0,3-0,45 l/ha Kinfos, EC 0,4-0,5 l/ha	Twingo, SC 0,75-1,2 l/ha Karachar, EC 0,4 l/ha						Theja, SC 0,3-0,45 l/ha Karachar, EC 0,4 l/ha		Twingo, SC 0,75-1,2 l/ha Kinfos, EC 0,4-0,5 l/ha		
	Apple worm									Theja, SC 0,3-0,45 l/ha Karachar, EC 0,4 l/ha Kinfos, EC 0,4-0,5 l/ha Apex, OEC 0,5-0,8 l/ha		Twingo, SC 0,75-1,2 l/ha Twingo Euro, OD 0,75-1,2 l/ha Yunona, ME 0,5 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								Gibbera, SL						
Fruit thinning											Saldo, SL			
Protection from sunburns												Furshet		
FOLIAR DRESSINGS	Increased productivity and resistance to stress			Biostim Universal (up to 5 times)			Ultramag Phosphorus Active/ Super			Ultramag Super Sulfur-900				
	Improved balance of Fe, Cu, Mn, and Zn			Ultramag Chelate Fe-13			Ultramag Chelate Cu-15		Ultramag Chelate Mn-13		Ultramag Chelate Zn-15		Ultramag Super Zinc-700	
	Improved fruit setting and growth				Ultramag Boron					Ultramag Boron				
	Improved quality and sugar content of fruit											Ultramag Potassium		
	Improved quality of fruit and resistance to physiological spot during storage									Ultramag Calcium				

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

Comprehensive protection of grapes

Comprehensive protection of grapes												
												
Harmful object		establishing a vineyard	gemmation and budding	3-5 leaves	formation	of inflorescences	flowering	formation and growth of berries		prior to berry bounding in bunches	beginning of berry colouring	ripeness
					advancing of inflorescences	loosening of inflorescences		'rice' berry	'pea' berry			
DISEASES	Mildew, black spot			Shirma, SC 0,5-0,75 l/ha (3-times) Granny, SC 1,0-1,4 l/ha Kaperang, SC 2,5-3,0 l/ha				Shirma, SC 0,5-0,75 l/ha Granny, SC 1,0-1,4 l/ha Kaperang, SC 2,5-3,0 l/ha				
	Mildew, black spot, grey mold		Indigo, SC 4,0-6,0 l/ha (2-times)						Indigo, SC 4,0-6,0 l/ha			
	Powdery mildew, grey mold		Sulphur 400, SC 10-16 l/ha			Titul 390, CSC 0,15-0,25 l/ha		Titul 390, CSC 0,15-0,25 l/ha (3-times)		Medeya, ME 1,2 l/ha		
	Powdery mildew, grey mold, black rot, black spot			Medeya, ME 0,8-1,2 l/ha (2-times)								
	Grey mold, black rot, berry rots							Kantor, SCS 1,7-2,6 l/ha (3-times), last treatment: at least 10 days before harvesting				
	Mildew, powdery mildew, grey mold			Biocomposite PRO, L 1,0-3,0 l/ha								
PESTS	Spider mite, grape erineum mite		Akardo, CSC 0,4 l/ha (2-times) Diflomite, SC 0,2-0,4 l/ha (once) Mekar, ME 0,75-1,0 l/ha					Akardo, CSC 0,4 l/ha (2-times) Mekar, ME 0,75-1,0 l/ha Diflomite, SC 0,2-0,4 l/ha				
	European grapevine moth				Twingo, SC 0,75-1,2 l/ha Tagor, EC 1,2-3,0 l/ha Karachar, EC 0,32-0,48 l/ha		Kinfos, EC 0,4-0,5 l/ha		Twingo, SC 1,2 l/ha (2-times)		Yunona, ME 0,3-0,4 l/ha (once)	
	Citrus flatid planthopper, leafhoppers					Tagor, EC 1,2-3,0 l/ha Kinfos, EC 0,4-0,5 l/ha		Karachar, EC 0,32-0,48 l/ha				
	Brown marmorated stinkbug							Akardo, CSC 0,4 l/ha	Meadows, OD 0,06-0,36 l/ha		Twingo, SC 1,2 l/ha Kinfos, EC 0,3-0,5 l/ha Karachar, EC 0,32-0,48 l/ha	
Improved survival during planting, growth, and nutrition		Mikoryze Korennik										
Protection from sunburns									Furshet (1-3-times)			
FOLIAR DRESSINGS	Increased productivity and resistance to stress			Biostim Universal (5-times)			Ultramag Phosphorus Active/ Super			Ultramag Super Sulfur-900		
	Prevention and management of mineral deficiency			Ultramag Super Zinc-700			Ultramag Chelate Cu-15	Ultramag Chelate Mn-13	Ultramag Chelate Zn-15	Ultramag Chelate Fe-13		
	Management of potassium and boron deficiency, improved blossoming and setting, enhanced accumulation of sugars in crops						Ultramag Boron		Ultramag Boron	Ultramag Potassium (1-2-times)		
	Improved quality of berries and resistance to rots								Ultramag Potassium (2-3-times)			
Microbiological product to prevent berry rots											Biocomposite Correct (1-2-times)	

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

33	Bnf. BENEFIS	ME	33	Bnfs. BENEFIS SUPREME	ME	34	Dpz. DEPOSIT	ME	34	Dpzs. DEPOZIT SUPREME	ME	35	Hrkl. HERAKLION	SC
35	Mss. MESSER	ME	38	Plr. POLARIS	ME	38	Prgm. PROTEGO MAX	ME	39	Sk. SCARLET	ME	39	Tb. TEBU 60	ME

Insecticidal seed treatments

33	Bmb. BOMBARDA	SC	34	Hr. HARITA	SC	35	Impr. IMIDOR PRO	SC
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Insecto-fungicidal seed treatments

38	Plqt. POLARIS QUATRO	SME	39	Tua. TUAREG	SME
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Innovative seed treatment formulation: MICROEMULSION

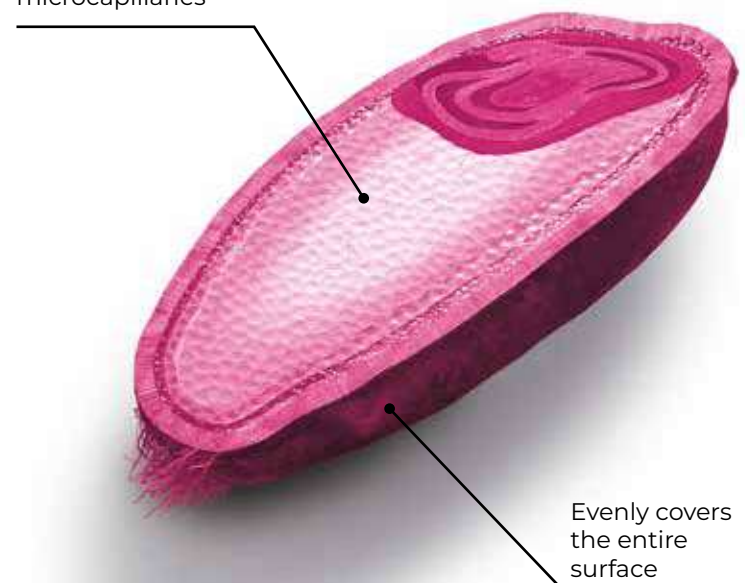
NANOformulation (microemulsion) ensures the most advanced seed protection

- 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

Penetrates through macro- and microcapillaries



- Scarlet, ME
- Tebu 60, ME
- Polaris Quatro, SME
- Tuareg, SME
- Messer, ME

Bnf.
BENEFIS ME

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

Fungicides intended for presowing treatment seeds of cereal and soybean to control a wide range 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 three active ingredients
- Formulation as microemulsion ensures maximum penetration of active ingredients into the seed, and powerful and prolonged protection during vegetation period
- 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 coleoptiles development and formation of a robust root system
- Higher resistance to drought and frost

Bnfs.
BENEFIS SUPREME ME

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

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

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

Bmb.
BOMBARDA SC

thiamethoxam 130 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.

Advantages

- A new level of insecticidal protection of seeds and seedlings: a strong knockdown effect combined with long-term protection of the rhizosphere and the aerial part of plants
- Effective impact on larvae of all ages and imagoes 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

Dpz.
DEPOSIT ME

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

Fungicides intended for presowing treatment seeds of soya, pea, chick pea seeds, and potato tubers during or before planting.

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

Dpzs.
DEPOZIT SUPREME ME

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

A special-purpose fungicidal seed treatment for grain legume, industrial crop, etc.

Advantages

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

Hr.
HARITA SC

thiamethoxam 600 g/l

Systemic insecticidal for the presowing treatments seeds of cereal seeds and sugar beet against a complex of soil and surface seedling pests.

Advantages

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

Hrkl.
HERAKLION SC

thiram 400 g/l + tebuconazole 25 g/l + azoxystrobin 15 g/l

A unique contact systemic fungicidal protectant with a bactericide effect for treatment of seeds of grain crops, soybeans, peas, and sunflower.

Advantages

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

Impr.
IMIDOR PRO SC

imidacloprid 200 g/l

Insecticides of systemic action intended for presowing treatment seeds of cereal and sugar beet, potatoes, maize, rape, sunflower, common flax, soybean and other crops seed to control a wide range of pests.

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 carbofuran formulations

Efficient regardless of ambient conditions

Mss.
MESSER ME

mefenoxam 210 g/l + fludioxonil 25 g/l

A special-purpose fungicidal seed treatment for sunflower seeds in the NANOformulation.

Advantages

A perfect combination of active substances with the maximum spectrum of action

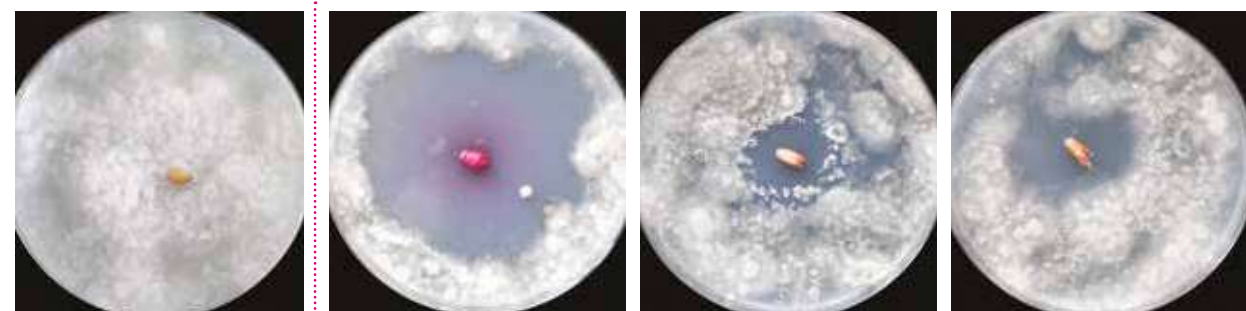
Full control of soil and seed-borne infections

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

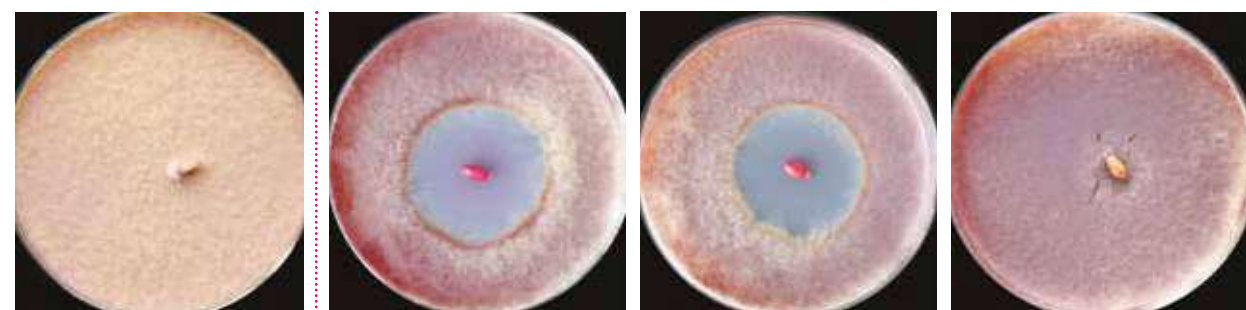
Fungicidal activity of seed treatments against root rot pathogens



Bipolaris sorokiniana:
Helminthosporium root rot pathogen

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

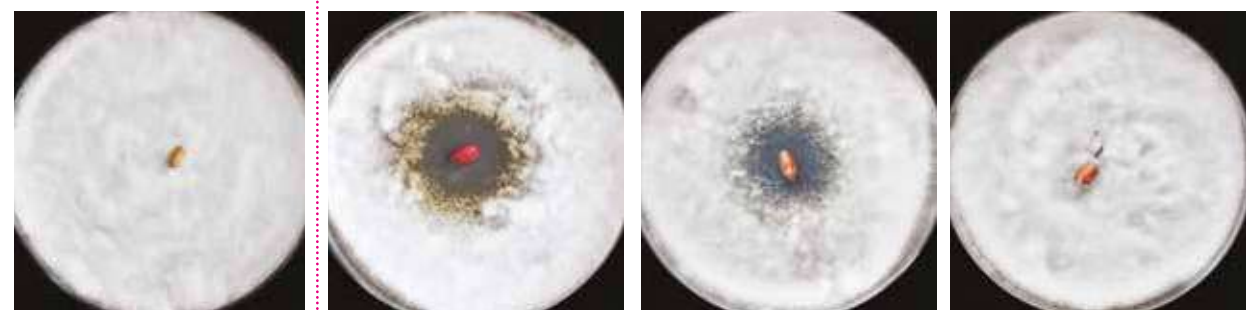
1. 2. 3. 4.



Fusarium culmorum:
Fusarium root rot pathogen

1. Control
2. Benefis, ME
3. Polaris, ME
4. Two-component seed treatment, SC

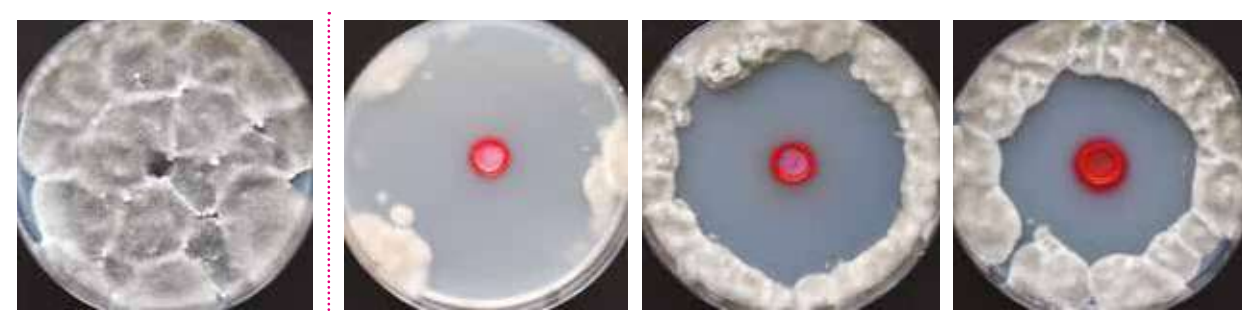
1. 2. 3. 4.



Microdochium nivale:
Fusarium mould pathogen

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

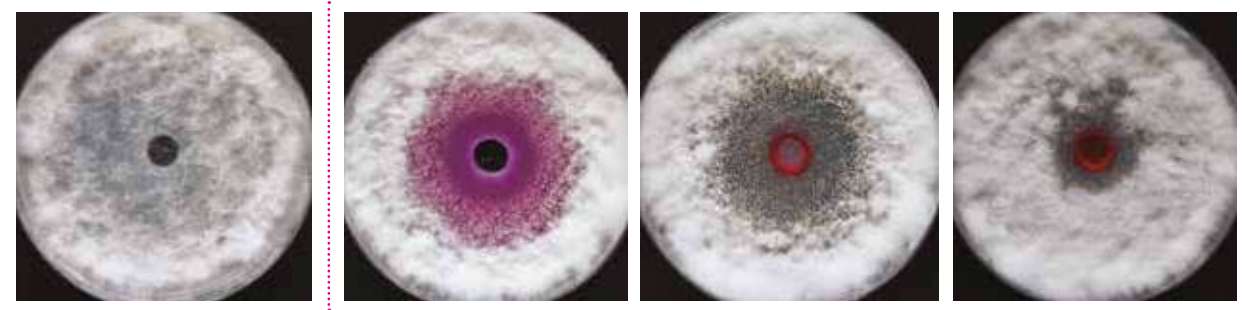
1. 2. 3. 4.



Bipolaris sorokiniana:
root rot pathogen

1. Control
2. Heraklion, SC
- 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 rot pathogen

- Pathogen culture cutting method:
1. Control
 2. Messer, ME (100% efficacy)
- Perforation method:
3. Control
 4. Messer, ME

1. 2. 3. 4.

Plr.
POLARIS 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
- Wider 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

Plqt.
POLARIS QUATRO SME

acetamiprid 150 g/l + prochloraz 100 g/l + tebuconazole 20 g/l + pyraclostrobin 15 g/l

A combination insectofungicidal seed treatment for cereal 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

Prgm.
PROTEGO MAX ME

prothioconazole 75 g/l + pyraclostrobin 25 g/l + tebuconazole 25 g/l

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

- 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 hardiness and resistance to drought and temperature extremes
- Maximum yield and high-quality grain

Sk.
SKARLET ME

imazalil 100 g/l + tebuconazole 60 g/l

Fungicides intended for presowing treatment seeds of cereal, maize, rape, soybean, peas and sunflower to control a wide range 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 tubing 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

Tb.
TEBU 60 ME

tebuconazole 60 g/l

Fungicides intended for presowing treatment seeds of cereal and common flax to control a wide range of diseases.

Advantages

- Highly effective at reduced concentration of the active ingredient due to innovative formulation as microemulsion
- Microemulsion penetrates inside a seed via microcapillaries, 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

Tua.
TUAREG SME

imidacloprid 280 g/l + imazalil 34 g/l + tebuconazole 20 g/l

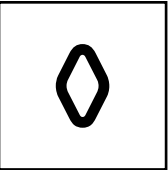
Insecticides-fungicides intended for presowing treatment seeds for cereal. Efficient control over the distribution of seed and soil infection and protection of sprouts to control pests.

Advantages

- 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

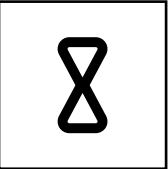


Herbicides



42	Azt. ACETAL PRO	EC	42	Act. ACTION	SC	42	Arg. ARGO	ME	42	Argp. ARGO PRIME	ME	44	Bnt. BENITO	CSC	44	Btr. BETAREN 22	OEC
44	Btre. BETAREN EXPRESS AM	EC	44	Btrs. BETAREN SUPER MD	OEC	45	Br. BRIG	SC	45	Czm. CENSOR MAX	OEC	45	Cns. CENSOR	EC	45	Cnz. CONCEPT	OD
46	Corn. CORNEGI	SE	46	Dmb. DAMBA	SL	46	Drt. DROTIK	CSC	46	Est. ESTAMP	EC	48	Fmd. FEMIDA	OD	48	Fn. FENIZAN	SL
48	Frts. FORTISSIMO	OD	48	Frw. FORWARD	OEC	50	Gls. GALS	EC	50	Gz. GEIZER	CSC	50	Gra. GRANAT	WG	50	Hlr. HEALER	OEC
51	Hrm. HERMES	OD	51	Grmf. HERMES FORTE	OD	51	Ilm. ILION	OD	51	Kss. KASSIUS	SP	52	Knd. KONDOR	WG	52	Kndf. KONDOR FORTE	OD
52	Kpzh. KUPAZH	WG	52	Lin. LINTAPLANT	SL	53	Lor. LORNET	SL	53	Mitr. MITRON	SC	53	Oct. OCTAVA	OD	53	Ove. OVSUGEN EXPRESS	EC
55	Ovs. OVSUGEN SUPER	EC	55	Pin. PINTA	OD	55	Pix. PIXEL	OD	55	Prs. PRIMADONNA SUPER	CSC	56	Pri. PRIMADONNA	SE	56	Rpr. REPER	CSC
56	Rprt. REPER TRIO	CSC	57	Rst. RESTYLE	OD	57	Snf. SANFLO	WG	57	Shk. SHKVAL	SL	59	Spr. SPRUT EXTRA	SL	59	Tnt. TANTO	CSC
59	Uni. UNIKO	CSC	60	Vrs. VERSIA	OD	60	Zng. ZINGER	WP	60	Zon. ZONTRAN	CSC						

Desiccant



61	Tng. TONGARA	SL
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Azt.
ACETAL PRO EC

propisochlor 720 g/l

Herbicide to control annual grass and dicotyledonous weeds in sunflower, soybean, sugar beet and maize crops.

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

Act.
ACTION SC

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

Arg.
ARGO ME

fenoxaprop-P-ethyl 80 g/l + mefenpyr-diethyl 30 g/l + clodinafop-propargyl 24 g/l

System herbicide to control annual grass weeds in spring and winter wheat crops.

Advantages

Maximum herbicide effect attained by the combination of two active synergetic 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

Argp.
ARGO PRIME ME

fenoxaprop-P-ethyl 90 g/l + clodinafop-propargyl 45 g/l + cloquintocet-mexyl (antidote) 40 g/l

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

Advantages

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



The efficacy of herbicides



1.



2.



3.

Elimination of grass weeds of spring wheat

1. Argo, ME, 1.0 L/ha

2-3. Argo Prime, ME, 0.5 L/ha



1.



2.



3.

Soybean

1. Treated with Benito, CSC, 2.0 L/ha

2-3. Untreated control



1.



2.



3.

Sugar beet

1-2. Two treatments with Betaren Super MD, OEC, 1.2 L/ha, in combination with anti-dicotyledon herbicides

3. Untreated control



Bnt.
BENITO CSC

bentazone 300 g/l

Postemergence herbicide to control annual dicotyledonous weeds in soybean and pea crops.

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

Flexible application times allowing for integration into any soybean protection schemes

It has no restrictions for crop rotation

Btr.
BETAREN 22 OEC

phenmedipham 110 g/l + desmedipham 110 g/l

Postemergence herbicide to control annual dicotyledonous weeds, including *Amaranthus*, on sugar beet plantings.

Advantages

Highly effective at reduced concentration of the active ingredient due to innovative formulation OEC

Highly efficient 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

Btre.
BETAREN EXPRESS AM EC

phenmedipham 60 g/l + desmedipham 60 g/l + ethofumesate 60 g/l

Postemergence herbicide to control annual dicotyledonous weeds as well as some annual grass on sugar and fodder beet plantings.

Advantages

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

Btrs.
BETAREN SUPER MD OEC

ethofumesate 126 g/l + phenmedipham 63 g/l + desmedipham 21 g/l

Postemergence herbicide to control annual dicotyledonous weeds, as well as some annual grass on sugar beet crops.

Advantages

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

Presence of ethofumesate penetrating through leaves and roots ensures a long-term beet protection from weeds



Br.
BRIG SC

prometryn 500 g/l

Soil-applied herbicide for major crop protection programs.

Czm.
CENSOR MAX OEC

clethodim 120 g/l

A highly efficient grass-active herbicide intended to control all types of grass weeds on plantings of sugar beet, lupine, soybean, and other crops.

Advantages

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

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

Cns.
CENSOR EC

clethodim 240 g/l

Highly efficient postemergence herbicide intended to control annual and perennial grass weeds on plantings of sugar beet, onion, and soybeans.

Advantages

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

Cnz.
CONCEPT OD

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

Postemergence selective herbicide of systemic effect intended to control annual grass and dicotyledonous weeds on soybean plantings.

Advantages

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



Corn.
CORNEGI

SE

terbutylazine 250 g/l + 2,4-D acid /2-ethylhexyl ether/ 80 g/l + nicosulfuron 30 g/l

New option for long-term control of a wide range of weeds in maize.

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

Dmb.
DAMBA

SL

dicamba acid /dimethylamine salt/ 480 g/l

Systemic postemergence herbicide to control a wide range of dicotyledonous weeds in cereal crops and maize.

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, sulfonyleureas, 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

Drt.
DROTIK

CSC

2,4-D acid /2-ethylhexyl ether/ 400 g/l

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

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 sulfonyleurea herbicides

Est.
ESTAMP

EC

pendimethalin 330 g/l

Pre-emergence herbicide intended to control annual grass and dicotyledonous weeds on agricultural crop plantings.

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



The efficacy of herbicides



1.



2.



3.

Maize
1. Treated with Cornegi, SE, 2.0 L/ha
2-3. Untreated control



1.



2.



3.

Sugar beet
1-2. The effect of Censor Max, OEC, on grass weeds
3. Control



1.



2.



3.

Soybean
1-3. Geizer, CSC, effect on weeds



Fmd.
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

- 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 offset 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

Fn.
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
- All owed for aerial treatment

Frts.
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

- Maximum efficacy against dicotyledonous weeds, including perennial ones
- Unparalleled efficacy against bedstraw and other annual wintering and spring weeds
- Effective control of goosefoot as well as sunflower and rapeseed drop
- Effect on the root system of offset weeds, including thistle
- Consistent performance in adverse weather conditions due to innovative oil formulation

Frw.
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

- 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



The efficacy of herbicides



1.



2.



3.

1-2. Fortissimo, OD, 0.7 L/ha, winter wheat after treatment
3. Untreated control



1.



2.



3.

1-3. Forward, OEC, elimination of grass weeds of soybean



1.



2.



3.

1-3. The effect of Hermes, OD, 1.0 L/ha on specific weeds (Day 7 after treatment)



clomazone 480 g/l

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.

Advantages

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



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

Selective systemic contact postemergence herbicide to control annual dicotyledonous and annual and perennial grass weeds in soybean and pea crops.

Advantages

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



tribenuron-methyl 750 g/kg

Postemergence herbicide of systemic effect intended to control annual dicotyledonous weeds, including those 2.4-D and MCPA resistant weeds on cereal.

Advantages

Highly efficient at low consumption rates
Highly selectivity with regard to cereal crops
No limitations for rotating crops
Wide range of application periods in terms of crop growth phases
Efficient at min. ambient temperature of 5°C
Economical and easy to apply and store
Compatible with most pesticides, which makes is suitable for integrated protection purposes



quizalofop-P-tefuryl 40 g/l

Postemergence herbicide of systemic effect intended to control annual and perennial grass weeds in crop plantings.

Advantages

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



quizalofop-P-ethyl 50 g/l + imazamox 38 g/l

Postemergence selective herbicide of systemic effect intended to control annual dicotyledonous weeds, and annual and perennial grass weeds on sunflower, pea, soybean and chick-pea plantings.

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 agrotypes of broomrape



imazamox 30 g/l + quizalofop-P-ethyl 20 g/l + imazapyr 12 g/l

Postemergence herbicide for protecting imidazolinone-resistant sunflower against a wide range of weeds.

Advantages

Effective solution for weed control when growing imidazolinone-resistant sunflower
Increased activity against dicotyledonous weeds
Provides a reinforced soil screen
A unique oil formulation for maximum herbicidal effect



imazamox 40 g/l + clopyralid 90 g/l

Herbicide intended to control annual grass and dicotyledonous weeds on imidazolines-resistant rape.

Advantages

Selective systemic herbicide adsorbed by leaves and roots
Effect in a couple of hours
Complete loss of weeds on the 3rd-15th day after treatment
Special control of Dindle, Canadian Thistle, Foalfoot, Camomile, Morgan
Maximum effect due to the preparative form (oil dispersion)



rimulfuron 250 g/kg

Selective herbicide of systemic effect intended to control annual and perennial dicotyledonous and grass weeds on maize and potato plantings.

Advantages

Ravages the broadest range of grass and dicotyledonous weeds
Kassius application fully replaces pre-emergence and postemergence treatment with herbicides
Low consumption rates
No crop rotation limitations
Activity does not depend on weather conditions
Low toxicity to the warm-blooded



Knd.
KONDOR WG

triflusaluron-methyl 500 g/kg

Postemergence herbicide of systemic effect intended to control annual dicotyledonous weeds on sugar beet plantings.

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
Important element of beet protection system

Kndf.
KONDOR FORTE OD

triflusaluron-methyl 120 g/l

A highly effective systemic herbicide in oil formulation intended to control a wide range of annual dicotyledonous weeds in sugar beet plantings.

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

Kpzh.
KUPAZH WG

thifensulfuron-methyl 750 g/kg

Postemergent herbicide to control annual dicotyledonous weeds in soybean and maize. An ideal component of the tank mixtures to enhance the herbicidal effect.

Advantages

Highly effective component of the tank mixture to enhance the herbicidal effect
The elimination of most species of annual dicotyledonous weeds, including those resistant to 2,4-D and triazines
Reliable control of tough weeds (species of the cruciferous family, amaranth, cocklebur, etc.)
Without restrictions for crop rotation

Lin.
LINTAPLANT SL

MCPA 500 g/l

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

Advantages

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



Lor.
LORNET SL

clopyralid 300 g/l

Postemergence selective herbicide intended to control various species of *Sonchus*, *Matricaria*, and *Polygonum* on 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

Mitr.
MITRON SC

metamitron 700 g/l

Systemic herbicide intended to control multiple species of annual dicotyledonous weeds on beet plantings.

Advantages

Ensure initial planting cleanliness as a pre-emergence herbicide
Produces a powerful "screen" against subsequent weed emergence
Mild effect upon the crop
Extended protective period when used as a component of mixes with betaren series herbicides
Acts in a more wide range of temperatures than betanal group formulations
Maximum efficiency achieved as a result of effect through both soil and leaves

Oct.
OCTAVA OD

nicosulfuron 60 g/l + florasulam 3.6 g/l

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

Advantages

Maximum herbicidal effect is achieved due to original combination of two active ingredients from various chemical classes
Formulation as oil dispersion deeply penetrates weeds and suppress their further growth and development
Protective period lasts throughout the vegetation period; «soil screen» is produced
Applied to protect against grass and dicotyledonous weeds, including *Amaranthus*, *Convolvulus*, and *Sonchus*
Adjuvants contained in the formulation enhance herbicidal effect

Ove.
OVSUGEN EXPRESS EC

fenoxaprop-P-ethyl 140 g/l + antidote 35 g/l

Postemergence selective herbicide of systemic effect intended to control annual grass weeds on spring and winter wheat crops.

Advantages

Highly efficient graminicide for wheat
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



The efficacy of herbicides



1.



2.



3.

Maize after treatment with Octava, OD, 1.0 L/ha
1. One month later
2. Before harvesting
3. Untreated control



1.



2.



3.

1-3. Pixel, OD, 0.3 L/ha, winter wheat after treatment



1.



2.



3.

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



Advantages

Highly efficient graminicide for 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



fenoxaprop-P-ethyl 140 g/l + antidote 47 g/l

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



flumetsulam 50 g/l + florasulam 36 g/l

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



typhensulfuron-methyl 90 g/l + flumetsulam 24 g/l + florasulam 18 g/l

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



2,4-D acid /2-ethylhexyl ether/ 200 g/l + florasulam 5.0 g/l

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

Advantages

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
The best efficacy against Cruciferae and catchweed bedstraw
Mild effect without herbicidal stress
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
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 for 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 (sow thistle, catch weed, thistle, 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



Pri.
PRIMADONNA SE

2,4-D acid /2-ethylhexyl ether/ 200 g/l + florasulam 3.7 g/l

Selective postemergence herbicide of systemic effect intended to control annual and perennial dicotyledonous weeds in cereals.

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 Arvensis*, 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

Rpr.
REPER CSC

clopyralid /2-ethylhexyl ether/ 100 g/l + fluroxypyr 15 g/l

Postemergence herbicide of systemic effect intended to control annual and perennial dicotyledonous weeds on rape plantings.

Advantages

Highly effective at reduced concentration of the active ingredient due to innovative formulation CSC

Efficient control of *Galium aparine* and *Convolvulus arvensis*

Fast penetration and high bio-efficiency due to unique formulation

Wide range of application timing

Elaborate combination of two active ingredients complementing each other prevents the occurrence of weed resistance

Rprt.
REPER TRIO OD

clopyralid /2-ethylhexyl ether/ 267 g/l + picloram 80 g/l + aminopyralid 17 g/l

A highly effective three-component postemergence herbicide in oil formulation intended to control dicotyledonous weeds on rape plantings.

Advantages

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



Rst.
RESTYLE OD

cyhalofop-butyl 190 g/l + bispyribac sodium 50 g/l

A highly selective two-component herbicide in oil formulation for rice protection against the most harmful weeds.

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

Snf.
SANFLO WG

tribenuron methyl 750 g/kg

Highly effective postemergence herbicide for the cultivation of tribenuron-methyl resistant sunflower.

Advantages

Control of a wide range of dicotyledonous weeds over a long period

High selectivity to tribenuron-methyl resistant sunflower hybrids

Safety for any subsequent crop rotation

Shk.
SHKVAL SL

imazapyr 250 g/l

Systemic herbicide of continuous action intended to control annual and perennial grass and broad-leaved (including tree species) plants at non-agricultural facilities.

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



The efficacy of herbicides



1.



2.



3.

Rapeseed
1-2. Reper, CSC, 1.0 L/ha,
rapeseed after treatment
3. Untreated control



1.



2.



3.

1-2. Sprut Extra, SL, herbicidal
effect on weeds
3. Comparison of soil preparation
technology before sowing wheat:
on the left, the field was treated
with Sprut Extra, SL, before
sowing; on the right, the field
was not treated (weeds in wheat
crops)



1.



2.



3.

Spring barley
1-2. Treated with Uniko, CSC,
1.5 L/ha
3. Untreated control



Spr.
SPRUT EXTRA SL

glyphosate acid /potassium salt/ 540 g/l

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

Tnt.
TANTO CSC

acifluorfen 320 g/l

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

Uni.
UNIKO CSC

fluroxypyr 100 g/l + florasulam 2.5 g/l

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

Vrs.
VERSIA OD

propisochlor 370 g/l + terbuthylazine 185 g/l

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

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

Zng.
ZINGER WP

metsulfuron-methyl 600 g/kg

Selective herbicide of systemic effect intended for postemergence 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 weed sand undesired weeds and Sosnovsky cow-parsnip on non-agricultural lands.

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

Zon.
ZONTRAN CSC

metribuzin 250 g/l

Selective pre-emergence and post emergence herbicide intended to control annual dicotyledonous weeds and grass weeds on potato, tomato and soybean plantings.

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 ravage of weeds with Zontran reduces the risk of buck eye rot on potato plantings

The efficacy of herbicides



1.



2.



3.

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

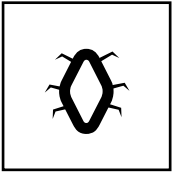
Tng.
TONGARA SL

diquat 150 g/l

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.

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



Insecticides and acaricides

64	<div>Akr.</div> <div>AKARDO</div> <div>CSC</div>	64	<div>Apx.</div> <div>APEX</div> <div>OEC</div>	64	<div>Brtt.</div> <div>BERETTA</div> <div>OD</div>	65	<div>Df.</div> <div>DAKFOSAL</div> <div>TB</div>	65	<div>Die.</div> <div>DIAZINON EXPRESS</div> <div>EC</div>
65	<div>Dphl.</div> <div>DIFLOMITE</div> <div>SC</div>	65	<div>Esp.</div> <div>ESPERO</div> <div>SC</div>	66	<div>Espe.</div> <div>ESPERO EURO</div> <div>OD</div>	66	<div>Fsk.</div> <div>FASKORD</div> <div>EC</div>	66	<div>Imi.</div> <div>IMIDOR</div> <div>SL</div>
66	<div>Krch.</div> <div>KARACHAR</div> <div>EC</div>	67	<div>Knf.</div> <div>KINFOS</div> <div>EC</div>	67	<div>Knfn.</div> <div>KINFOS NEO</div> <div>EC</div>	67	<div>Lok.</div> <div>LOKUSTIN</div> <div>SC</div>	67	<div>Mds.</div> <div>MEADOWS</div> <div>OD</div>
68	<div>Mek.</div> <div>MEKAR</div> <div>ME</div>	68	<div>Pir.</div> <div>PIRELLI</div> <div>EC</div>	68	<div>Spr.</div> <div>SPARRING</div> <div>OD</div>	68	<div>Tgr.</div> <div>TAGOR</div> <div>EC</div>	69	<div>Tj.</div> <div>THEJA</div> <div>SC</div>
69	<div>Tw.</div> <div>TWINGO</div> <div>SC</div>	69	<div>Twe.</div> <div>TWINGO EURO</div> <div>OD</div>	69	<div>Yun.</div> <div>YUNONA</div> <div>ME</div>				



spirodiclofen 250 g/l

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 planthoppers
Translaminar activity
Rapid action and high efficiency in all weather conditions



pyriproxyfen 100 g/l

Hormonal 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



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 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



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 touse



diazinon 600 g/l

Contact insecticide of gastric action to control a wide range of pests on plantings of wheat, barley.

Advantages

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



diflovidazin 200 g/l

A powerful contact acaricide of a new chemical class for control of mites on apple trees, grapes, soybeans, and greenhouse crops.

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



imidacloprid 200 g/l + alpha-cypermethrin 120 g/l

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

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 beetle, sod webworm, polyphagous 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



Espe.
ESPERO EURO OD

acetamiprid 100 g/l + alpha-cypermethrin 60 g/l

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

Fsk.
FASKORD EC

alpha-cypermethrin 100 g/l

Intestinal contact insecticide of synthetic pyrethroid group to control a wide range of pests of cereal crops, potato, sugar beet, maize, and other agricultural crops.

Advantages

Wide spectrum of action

High speed of toxic action – immediate death of insects

High efficiency due to elevated contents of active isomers in the active ingredient

Prolonged protective period

One of the most efficient and cost effective insecticides

Imi.
IMIDOR SL

imidacloprid 200 g/l

Insecticide of systemic effect to control a wide range of pests on potato, cucumbers, tomato, sugar beet, cereal crops, pastures.

Advantages

Neonicotinoid insecticide

Prolonged protection against most malicious insects

Efficient use in green houses

High efficiency in any weather conditions

No phytotoxic effect

Krch.
KARACHAR EC

lambda-cyhalothrin 50 g/l

Insecticide to control a wide range of pests on agricultural crops.

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



Knf.
KINFOS EC

dimethoate 300 g/l + beta-cypermethrin 40 g/l

Intestinal contact insecticide to control pests on plantings of cereal crops, sugar beet, potato and other crops.

Advantages

Two components with different mechanisms of action

Synergy of two active ingredients enhance toxic effect of the formulation

Prolonged protective period

Highly efficient to control resistant kinds of insects

Knfn.
KINFOS NEO EC

dimethoate 300 g/l + alfa-cypermethrin 40 g/l

Insecticide with acute contact enteric effect for rape protection against pests complex.

Advantages

Enhanced toxic effect due to the synergism of two active ingredients with different mechanisms of action

Effective elimination of larvae and imago of the pests even in places that are hard to reach

Minimum risk of resistant population emergence

Potent insecticidal effect

Prolonged protection due to systemic activity

Lok.
LOKUSTIN SC

diflubenzuron 125 g/l + imidacloprid 110 g/l

Powerful double-action insecticide to combat locusts, needle- and leaf-eating insects, pests of rapeseed crops.

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 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

Mds.
MEADOWS OD

acetamiprid 200 g/l

A systemic contact enteric insecticide against cereal, orchard, and oil crop pests.

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



abamectin 18 g/l

Enteric contact insecto-acaricide for the protection of apple trees and grapes from mites.

Advantages

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



chlorpyrifos 400 g/l + bifenthrin 20 g/l

A unique insecto-acaricide combination with a strong toxic effect on sugar beet and soybean pests.

Advantages

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



thiamethoxam 150 g/l + fipronil 90 g/l

A systemic contact enteric insecticide for a wide range of crops.

Advantages

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



dimethoate 400 g/l

Insecto-acaricide to control a wide range of pests on cereal crops and grapes.

Advantages

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



thiacloprid 480 g/l

Contact enteric and systemic insecticide used to protect apple trees from gnawing and sucking insects.

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



diflubenzuron 180 g/l + imidacloprid 45 g/l

Contact enteric and systemic insecticide used to protect apple trees, pear trees, and grapes from gnawing and sucking insects.

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



diflubenzuron 180 g/l + acetamiprid 45 g/l

A combined insecticide with ovicidal effect to protect gardens and vineyards against various pests.

Advantages

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

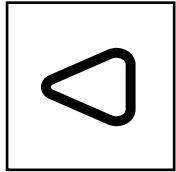


emamectin benzoate 50 g/l

Contact enteric insecticide used for control of codling moth, a pest of apple trees.

Advantages

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

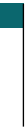


Pheromone traps

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72

Fer.
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



1.



2.

- 1-2. Delta type trap with rubber dispenser
- 3. Delta type trap with foil-foam dispenser
- 4. Barrier trap for Halyomorpha halys



3.



4.



Pheromone traps for the following types of insect pests

Fruit and berry crop pests	Vegetable and technical crop pests	Forest and ornamental crop pests	Storage pests
Archips crataegana	Etiella zinckenella	Tomicus piniperda	Ephestia kuehniella
Theresimima ampelophaga	Agrotis exclamation	Tortrix viridana	Ephestia elutella
Grapholita molesta	Mythimna separata	Halyomorpha halys	Cadra cautella
Archips podana	Cydia nigricana	Ips typographus	Plodia interpunctella
Lobesia botrana	Plutella xylostella	Tomicus minor	Pyrilidae
Eupoecilia ambiguella	Mamestra brassica	Lymantria dispar	
Zeuzera pyrina	Phthorimaea operculella	Diprion pini	
Pandemis heparana	Halyomorpha halys	Neodiprion sertifer	
Halyomorpha halys	Ostrinia nubilalis	Cydalima perspectalis	
Pennisetia hylaeiformis	Loxostege sticticalis	Dendrolimus sibiricus	
Lithocolletis pyrifoliella	Mamestra oleracea	Panolis flammea	
Hedya nubiferana	Agrotis segetum	Dendrolimus pini	
Rhyacionia buoliana	Mamestra suasa	Monochamus	
Rhyacionia duplana	Scrobipalpa ocellatella	Lymantria monacha	
Evetria turionana	Xestia C-nigrum		
Spilonota ocellana	Autographa gamma		
Arhips rosana	Tuta absoluta		
Adoxophyes orana	Helicoverpa armigera		
Grapholita funebrana			
Synanthedon tipuliformis			
Yponomeuta malinellus			
Cydia pomonella			
Synanthedon myopaeformis			



Fungicides

76	<div>Ace.</div> <div>ACE</div> <div>CSC</div>	76	<div>Azr.</div> <div>AZORRO</div> <div>SC</div>	76	<div>Bnz.</div> <div>BENAZOL</div> <div>WP</div>	77	<div>Cpl.</div> <div>CAPELLA</div> <div>ME</div>	77	<div>Gr.</div> <div>GRANNY</div> <div>SC</div>
77	<div>Ing.</div> <div>INDIGO</div> <div>SC</div>	78	<div>Insg.</div> <div>INSIGNIA</div> <div>OD</div>	78	<div>Kgt.</div> <div>KAGATNIK</div> <div>SL</div>	78	<div>Knt.</div> <div>KANTOR</div> <div>CSC</div>	78	<div>Kpr.</div> <div>KAPERANG</div> <div>SC</div>
80	<div>Ktrx.</div> <div>KATREX</div> <div>SC</div>	80	<div>Med.</div> <div>MEDEYA</div> <div>ME</div>	80	<div>Mtm.</div> <div>METAMIL MC</div> <div>WG</div>	82	<div>Myst.</div> <div>MYSTERIA</div> <div>ME</div>	82	<div>Sh.</div> <div>SHIRMA</div> <div>SC</div>
82	<div>Sul.</div> <div>SULPHUR 400</div> <div>SC</div>	83	<div>Tl.</div> <div>TITUL 390</div> <div>CSC</div>	83	<div>Tld.</div> <div>TITUL DUO</div> <div>CSC</div>	83	<div>Tlt.</div> <div>TITUL TRIO</div> <div>CSC</div>	84	<div>Trd.</div> <div>TRIADA</div> <div>CSC</div>
84	<div>Vnzh.</div> <div>VINTAGE</div> <div>ME</div>	84	<div>Zim.</div> <div>ZIM 500</div> <div>SC</div>						

Microbiological fungicides

77	<div>Bcp.</div> <div>BIOCOMPOSITE PRO</div> <div>L</div>
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tebuconazole 160 g/l + pyraclostrobin 80 g/l + prothioconazole 40 g/l

A three-component fungicide in the NANOformulation, with preventive, curative and eradicating properties, for the protection against leaf and ear diseases of cereal crops.

Advantages

Control of the most economically important cereal crop diseases, including Gibellina cerealis
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



carbendazim 300 g/l + azoxystrobin 100 g/l

Combined fungicide for the protection of cereal crops, soybeans and sugar beet from a complex of diseases.

Advantages

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



benomyl 500 g/kg

Fungicide of systemic action intended to protect cereal crops and sugar beet to control a wide range of diseases.

Advantages

Most efficient formulation to control snow mold on cereal crops
Efficient suppression of a pack of diseases
Preventive and curative action
Extends vegetation period
Treatment of winter crops improves crop overwintering capability
Treatment of vegetating beet plants reduces losses of root crops from storage decay during storage



based on Pseudomonas strain

A microbiological fungicide for an integrated fruit and vegetable crop protection system.

Advantages

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
Has both preventive and curative properties
Requires no waiting time after treatment



propiconazole 120 g/l + flutriafol 60 g/l + difenoconazole 30 g/l

Three-component fungicide intended to protect grain crops (wheat, barley, spring and winter crops).

Advantages

Long-term protective effect
Increased photosynthesis in flag leaves
Suppressed sporification and mycelium growth
High effect to control powdery mildew, rust, spotting



dithianon 350 g/l

A special-purpose contact fungicide for control of apple scab.

Advantages

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



tribasic copper sulfate 345 g/l

Contact fungicide of preventive action for the professional protection of gardens and vineyards against a range of diseases.

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



cyprodinil 150 g/l + fludioxonil 140 g/l

A highly effective fungicide to protect apple fruits from a wide range of rot pathogens.

Advantages

Eliminates a wide range of rot pathogens, including grey mould
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



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 sugarbeet 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



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 (nanolevel 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



captan 500 g/l

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

Advantages

High fungicidal activity against scab and mildew
Effective disease prevention with long-term protection
Multifaceted mechanism of action on fungi metabolism, preventing resistance
An essential element in a garden protection system, in combination with systemic fungicides
A high-quality liquid formulation provides excellent adhesion and resistance to rainwash



The efficacy of fungicides



1a.

1b.

1c.

Fungicidal activity of Kantor, CSC, in a model experiment with *Monilinia fructigena*, a fruit rot pathogen

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



2a.

2b.

2c.



3a.

3b.

3c.



1.



2.



3.

Sugar beet roots in the field
1. Sugar beet treated with Kagatnik, SL
2-3. Sugar beet without treatment



1.



2.



3.

Sugar beet roots in piles during storage
1. Roots treated with Kagatnik, SL, before placement in storage
2-3. Without treatment before placement in storage: up to 70% of rotting roots



thiram 400 g/L

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



difenoconazole 50 g/l + flutriafol 30 g/l

Systemic fungicide intended to protect gardens and vineyard to control a wide range of diseases.

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



mancozeb 640 g/kg + metalaxyl 80 g/kg

Contact fungicide of systemic action against potato diseases.

Advantages

- 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
- Unrivalled 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



The efficacy of fungicides



1.



2.



3.

Winter wheat
1-2. Treated with Capella, ME
3. Untreated control



1.



2.



3.

1-2. Apple tree treated with
Medeya, ME
3. Untreated control



1.



2.



3.

1. Potato treated with
Metamil MC, WG, 2.5 kg/ha, two times
2-3. Untreated control



pyraclostrobin 80 g/l + tebuconazole 80 g/l + difenoconazole 40 g/l

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 effect» + elimination
- Prevention of secondary contamination
- A pronounced curative effect at all stages of the disease
- Improved control of pathogens causing downy mildew, Cercospora spot, Phoma rot
- 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



fluazinam 500 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



sulphur 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



propiconazole 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



propiconazole 200 g/l + tebuconazole 200 g/l

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

Advantages

- Highly effective at reduced concentration of the active ingredient due to innovative formulation CSC
- A wide range of effects and reliable protection during vegetation
- Protective period up to 40 days
- Fast penetration into the plant and prolonged formulation activity
- Reduced dependence on adverse weather conditions
- No case of resistance
- Growth stimulating activity ('green leaf' effect)
- Extended vegetation period and life of flag
- Quality grain



tebuconazole 160 g/l + propiconazole 80 g/l + cyproconazole 80 g/l

A three-component fungicide in an innovative formulation with improved fungicidal activity against a complex of diseases in a broad range of crops.

Advantages

- A new combination of 3 active ingredients provides powerful elimination and preventive action against the widest range of pathogens
- An innovative colloid formulation ensures maximum manifestation of the target properties of active ingredients
- Immediate arresting of disease and long-term protection, up to 40 days
- Reliable protection of crops under conditions of high infection load
- High efficacy both in case of drought and high humidity
- Stimulating effect on the development of crops and improved photosynthetic activity
- Long-term impact on yield quality



propiconazole 140 g/l + tebuconazole 140 g/l + epoxiconazole 72 g/l

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

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



difenoconazole 65 g/l + flutriafol 25 g/l

Systemic fungicide to control a wide range of diseases in sugar beet, soya, pea, and rice.

Advantages

High biological effect to control a complex of most harmful diseases due to the optimum combination of two active ingredients

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



carbendazim 500 g/l

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

Readily producible formulation

Efficient to control root rots

Systemic action - protects all organs of a plant

Preventive, curative and eradication action

Efficient suppression of diseases even after their symptoms are manifested

Prevents drowning of cereal crops



The efficacy of fungicides



1.



2.



3.

1-3. Winter wheat treated with Triada, CSC, 0.6 L/ha

4-6. Untreated control



4.



5.



6.



1.



2.



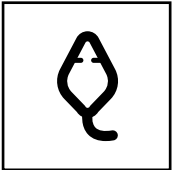
3.

1. Rust of peas crops in untreated control

2. Peas treated with Vintage, ME

3. Rice treated with Vintage, ME

Rodenticides



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





trinexapac-ethyl 250 g/l

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



gibberellic Acids A₄, A₇, 10 g/l

Hormonal-type growth regulator to promote fruit formation, accelerate the growth and ripen apple fruits in intensive gardening systems.

Advantages

- It promotes fruit formation
- It enhances growth and morphogenetic processes
- It accelerates ripening time
- It increases the fruitage
- It prevents cracking and discoloration of fruits
- It improves saleable condition and increases product quality



ethephon 480 g/l

The product is intended for use as a plant growth regulator and retardant on plantings of cereal and other agricultural crops.

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



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

Growth regulator to promote the root formation of cuttings and seedlings of fruit, soft fruit, citrus, flower, and ornamental plants.

Advantages

- It stimulates lateral and adventitious root formation
- It promotes the development of an extensive root system, better survival ability and encourages the further growth of the cutting or seedling
- It increases survival ability during transplantation, enhances growth processes
- It improves the quality of planting material

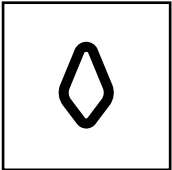


6-benzyladenine 20 g/l

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

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



Special-purpose products

94	Ast. ASSISTANT	94	Frsh. FURSHET	94	Hig. HIGER	94	Lcm. LACMUS	95	Lm. LAMINAR
95	Mkd. MIKADO	95	Slf. SELF						
	EC								



Ast.
ASSISTANT

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

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

Frsh.
FURSHET

product of mineral origin in the form of suspension

The product is intended to protect plants from solar radiation in the farming industry

Advantages

- Dissolves UV rays reducing burns in plants
- Maintains the plant temperature lower than the ambient temperature reflecting IR radiation
- Enhances the moisture utilization efficiency
- Helps to increase the harvest quality and to optimize the use of water resources
- Enhances the vegetative growth and development of plants, the yield and the quality of products

Hig.
HIGER

cellulose derivative, auxiliary substances and water

A natural sticky agent; an adjuvant improving the quality of plant treatment with working liquid and enhancing the effect of insecticides and fungicides.

Advantages

- A natural sticky agent
- 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

Lcm.
LACMUS

orthophosphoric acid, acidity indicator, buffer reagents, adjuvant, water.

The product is intended to regulate acidity and to improve the quality of water used to prepare working liquids of plant protection products and agrochemicals.

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



Lm.
LAMINAR

silicone emulsion

A highly efficient silicone emulsion defoamer.

Advantages

- Prevents foaming in the working liquid tank
- Reduces the stability of foam formed during the working liquid preparation for pesticides and agrochemicals
- Ensures high-performance plant treatment
- Compatible with all pesticides and agrochemicals

Mkd.
MIKADO EC

mixture of fatty acid methyl esters 842 g/L, excipients

Non-ionogenic adjuvant based on vegetable oil derivatives to improve the biological efficiency of treatment

Advantages

- Promotes uniform wetting of the leaf surface
- Reduces the evaporation rate of drops, prolonging the contact of the product with a harmful object
- Keeps the active substance semi-liquid, preventing crystallisation on the leaf
- Improves absorption of the product by leaves with a thick waxy layer
- Improves the stability of working liquids

Slf.
SELF

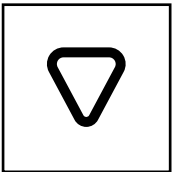
cellulose derivative, auxiliary substances and water

The tool is designed for use as a glue that prevents cracking of pods of rapeseed, soybean, peas by creating pods on the surface of the polymer membrane.

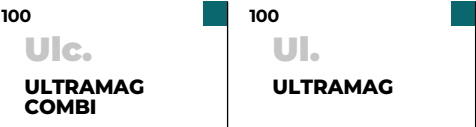
Advantages

- Creates a permeable plastic film that does not interfere with natural maturation of the seeds
- Has a long efficiency, resistant to adverse weather conditions (heat, wind, rain, sunlight)
- Contributes to the preservation of the full potential of the crop
- Reduces losses during harvesting and reduces the cost of post-harvest revision
- Biodegradable, has low toxicity to humans and the environment
- Convenient in application, easily soluble in water
- Is not phytotoxic
- Significantly reduces the problems associated with previous rape

Microbiological products



Foliar fertilisers containing micronutrients, mesonutrients, and macronutrients



Organomineral fertilizer based on humic acids



Amino acid biostimulants





Bcc. BIOCOMPOSITE CORRECT

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

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

Bcd. BIOCOMPOSITE DESTRUCT

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

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

Advantages

- Provides quick decomposition of stubble and organic remains in soil
- Efficient both when applied before sowing (planting) and after harvesting crops
- Retains activity in case of drought

Miz. MIKORYZE

composition based on a consortium of microorganisms

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

Advantages

- Formation of favorable soil microflora
- Stimulation of meristem activity (growth of new tissues)
- Improving nutrient absorption
- More powerful and balanced plant development
- Increasing resistance to abiotic stresses (heat, frost)
- Rise in yield, quality, and taste of fruits
- Better storage and shipping quality of fruits



Rizp. RIZOFORM PEAS

rhizobium leguminosarum D70

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

Advantages

- Unlike similar products, inoculant Rizoform Peas used together with stabilizing/sticky agent Static allows seed inoculation to be performed in advance, 5 to 15 days before sowing
- Symbiotic nitrogen fixation provides up to 70% of nitrogen demanded
- Nitrogen is introduced into the plant as necessary, and maximum consumption is ensured during critical phases of crop development
- Biological nitrogen initiates increase of fertility and activation of soil microflora
- Yield in creases by 10-30%
- Favorable effect from treatment with Rizoform Peas may be seen in the 3-5 crop rotation cycle with cereal yield growth by 10-15%

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.

Advantages

- A pure culture of the most effective strain of a specialised soybean bacterium
- High bacterial titre: 10 bln per 1 ml
- Wide range of sowing time: up to 90 days after inoculation
- Long shelf life
- Providing soybean with nitrogen in the most critical phases of development
- Increased yield and protein content
- Increased soil fertility and activation of soil microflora
- Positive impact on the crops in crop rotation



New-generation multicomponent microfertilisers with a good balance of micro- and macronutrients, chosen for crop specificity.

Ultramag Combi for cereals

Ultramag Combi for beet

Ultramag Combi for corn

Ultramag Combi for oilseeds

Ultramag Combi for legumes

Ultramag Combi for potato

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

Maximum penetration and assimilation of nutrients.

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



Foliar fertilisers containing micronutrients, mesonutrients, and macronutrients to prevent nutrient deficiencies.

Ultramag Phosphorus Active

Ultramag Phosphorus Super

Ultramag Potassium

Ultramag Calcium

Ultramag Super Sulfur-900

Ultramag Super Zinc-700

Ultramag Boron

Ultramag Molybdenum

Ultramag Chelate Fe-13

Ultramag Chelate Zn-15

Ultramag Chelate Mn-13

Ultramag Chelate Cu-15

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 (content in %wt)

Type	N total	P	K ₂ O	CaO	SO ₃	MgO	Zn	B	Cu	Fe	Mn	Mo	Na ₂ O	Ti	Co
ULTRAMAG COMBI															
for cereals	15.0				4.5	2.0	1.0		0.9	0.8	1.1	0.005		0.02	
for oilseeds	15.0				2.5	2.5	0.5	0.5	0.1	0.5	0.5	0.005		0.03	
for beet	15.0				1.8	2.0	0.5	0.5	0.2	0.2	0.65	0.005	3.0	0.02	
for potato	15.0				2.5	2.5	0.65	0.4	0.2	0.3	0.6	0.005		0.03	
for corn	15.0				4.2	2.0	1.1	0.4	0.6	0.7	0.7	0.005		0.02	
for legumes	15.0				1.0	2.0	0.3	0.5	0.2	0.3	0.4	0.003		0.02	0.002

Foliar fertilisers ULTRAMAG (content in %wt)

Type	N	P	K ₂ O	CaO	SO ₃	MgO	Zn	B	Cu	Fe	Mn	Mo	Na ₂ O	Ti	Co
ULTRAMAG															
Phosphorus Active	5.2	35.0													
Phosphorus Super	6.4	35.0				4.0	2.5								
Ultramag Potassium	2.6		22.0												
Ultramag Calcium	10.0			17.0		0.8	0.02	0.05	0.02			0.001			
Super Sulfur-900	5.0				70.0										
Super Zinc-700	1.5						40.0								
Boron	4.7							11.0							
Molybdenum	4.5											3.0			
Chelate Fe-13										13.0					
Chelate Zn-15							15.0								
Chelate Mn-13											13.0				
Chelate Cu-15									15.0						



Organomineral fertilizer based on humic acids

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



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**

Amino acid biostimulants (content in %wt.)

BIOSTIM							
	START	GROWTH	UNIVERSAL	CEREALS	BEET	OILSEEDS	MAIZE
Free amino acids of plant origin, %							
	5,5	4,0	10,0	7,0	6,0	6,0	6,0
Polysaccharides, %							
	7,0						
Complex of basic mineral nutrients, %							
N	4,5	4,0	6,0	5,5	2,5	1,9	7,0
P ₂ O ₅	5,0	10,0		4,0			
K ₂ O	2,5		1,3	4,0			
MgO	1,0	2,0		2,0	1,5	3,0	2,0
SO ₃		1,0	5,0	2,5	2,5	8,0	6,0
Fe		0,4		0,3	0,03	0,01	0,3
Mn	0,2	0,2		0,7	1,0	1,0	0,2
Zn	0,2	0,2		0,6	0,3	0,2	0,9
Cu	0,1			0,4	0,03	0,01	0,2
B	0,1	0,1		0,2	0,3	0,7	0,3
Mo	0,01			0,02	0,02	0,04	0,02
Co				0,01		0,02	0,02



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 efficiency level – degree of microelement accessibility.

Head Office «Schelkovo Agrohim»
2, Zavodskaya street, Shchelkovo,
Moscow region, Russia, 141108
+7 (495) 745-01-98
+7 (495) 745-05-51
+7 (495) 777-84-94
info@betaren.ru



**SHELKOVO
AGROHIM**

eng.betaren.ru