

AGROMIX®

ADJUVANTS REDEFINED



**Innovative adjuvants
Effective crop production**

PRODUCT CATALOGUE

AGROMIX ADJUVANTS - PREMIUM LINE

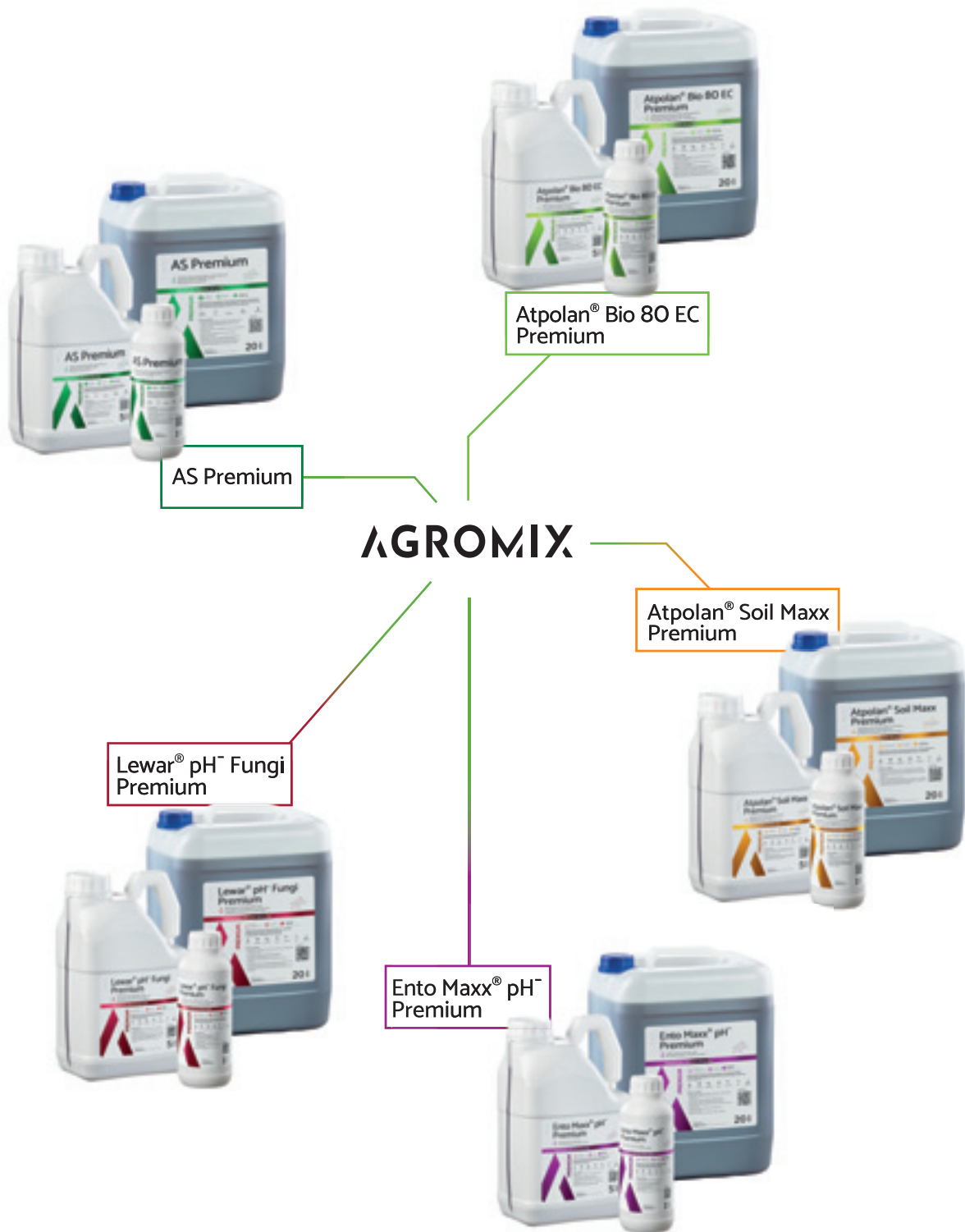


Table of contents



About our company	4
Why adjuvants?	6
AGROMIX multifunctional adjuvants	10
AGROMIX premium adjuvants – scope of use	12
Atpolan Bio 80 EC Premium	14
Atpolan Soil Maxx Premium	17
Lewar pH ⁻ Fungi Premium	20
Ento Maxx pH ⁻ Premium	23
AS Premium	26
Zero Foam	29
Clean Max	30
AGROMIX adjuvants on the main crops	32

AGROMIX MILESTONES

1988

The foundation of Company – manufacturing of liquid mineral fertilizers

1991

First adjuvant: Atpolan 80 EC introduced into the market

2008

Production of AS 500 SL, the first multifunctional adjuvant for agrochemicals, launched under the license from the Poznań University of Life Sciences

2010

The family of multifunctional adjuvants extended with Atpolan BIO 80 EC

2011

Clean Maxx, the first sprayer cleaner enters the market

2015

Market launch of Atpolan Soil Maxx, a new high efficacy, multifunctional adjuvant for soil-applied agrochemicals

2017

Product portfolio expanded with two new multifunctional adjuvants: Lewar pH⁻ Fungi for fungicides and Ento Maxx pH⁻ for insecticides

2019

Clean Maxx SL, a new liquid, multicomponent formulation for cleaning sprayers introduced

2020

4-year research grant, co-funded by the EU completed resulting in innovative Premium line of adjuvants

2023

Re-branding, refreshing the packaging for Premium line, intensified market activity and online presence.

About our company

We are a family-owned Polish company founded by Roman Szewczyk in 1988. Our focus is on producing innovative and multifunctional adjuvants for plant protection products.

Our top priority since the start has been to **increase treatment efficacy** and protect the environment. We understand that modern agriculture expects this of us.

AGROMIX adjuvants are the outcome of our research and experience, developed in collaboration with leading scientific institutions in Poland and farmers. We have transferred the products and technologies improved over the years to crop protection practice, which has recently led to the creation of **AGROMIX Premium line of adjuvants displayed in this catalogue.**

AGROMIX Premium adjuvants are innovative, multifunctional products that greatly enhance the efficacy of crop protection products, reduce their negative impact on the environment and increase the efficiency of crop production as a whole.

The patented technologies employed in our portfolio effectively tackle the challenges posed by climate change, food security, agrophage resistance management, and environmental protection.

To underline the uniqueness of the solutions we offer, **we have changed the graphic design of our adjuvants.**

The updated **AGROMIX** logo, together with the tagline ADJUVANTS REDEFINED, expresses our appreciation for customers who value the highest quality and innovation in agriculture.

INNOVATION, EFFECTIVENESS and **CONFIDENCE** are values we share. Products signed with a refreshed logo will support you in achieving the highest yields of excellent quality.

We look forward to working with you!



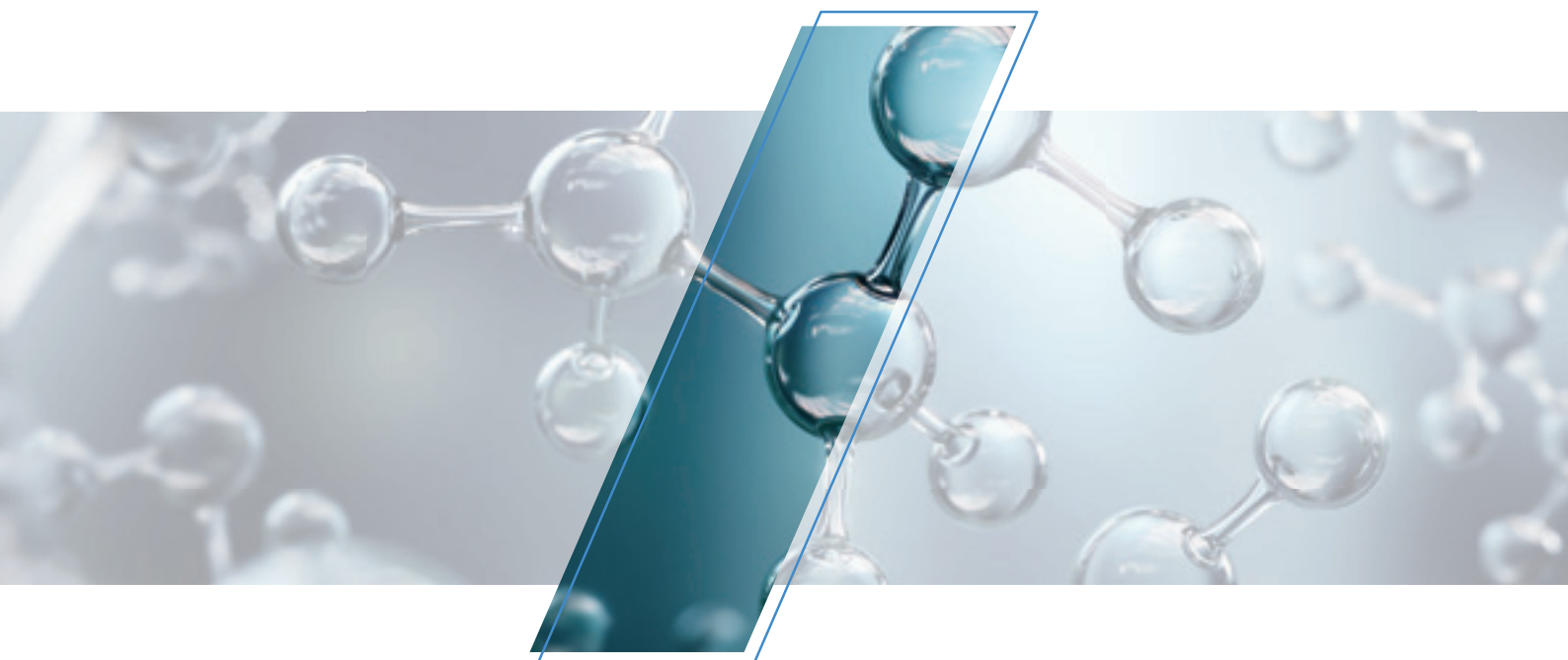
Why adjuvants?

The efficacy of plant protection products depends on the amount of active ingredient enabled to reach the site of action in a weed, pest or disease. The efficiency of this process is strongly impacted by number of factors related to the characteristics and shape of controlled object, weather conditions (e.g. low air humidity, soil drought) as well as the very preparation and application of spray solution (e.g. use of hard water). An adverse effect caused by one or more of such factors leads to losses of the active ingredients used and significant deterioration in the efficacy of the treatments. Results of research lead with the most know herbicides has shown that only 2–10% of the applied dose reaches the site of action in plant cells, even under favourable conditions, which means that 90-98% is not used effectively and harms the environment. The use of high class adjuvants may significantly improve this common status quo.

The role of adjuvants

Adjuvants, also known as **enhancers**, are primarily used to improve the process of delivery of active ingredient to the site of action. High quality multifunctional adjuvants ensure this by breaking barriers related to high water hardness in the sprayer tank and by improving the way spray droplets reach their targets. And this is done by better retention of spray droplets, better wetting of the target's surface as well as the improved absorption and translocation of the active ingredient to the site of action. Substances that support these processes are called **activator adjuvants**. Widely used activator adjuvants include:

- > substance surface-active agents (**surfactants**),
- > **oil adjuvants** and
- > **mineral adjuvants**.





Types of adjuvants

1 / **Surfactants** are surface-active agents whose most important property is the ability to reduce the surface tension of the spray droplet so that the active ingredient–target contact area is increased. The active ingredient covers given surface more precisely and broadly, however it by itself does not facilitate its penetration into cells.

2 / **Oil adjuvants** are vegetable oils or their derivatives as well as mineral oils. The oil contained in these adjuvants increases the solubility of many plant protection products, has a certain ability to dissolve plant waxes, and does not dry easily on the surface, which allows a better penetration of active ingredients into cells of pests.

3 / **Mineral adjuvants**, of which the most common examples are ammonium fertilizers such as ammonium sulphate, act as a water conditioner. They inhibit the binding of active ingredients with mineral components contained in the water. Thus, they prevent formation of insoluble salts, useless crystals or crust-like deposits on the surface of plants.

4 / There is also a group of adjuvants called **modifying adjuvants**. They support only the process of preparing spray solution and its use. These include, for example, substances that facilitate the dissolution of the plant protection products in water, prevent foaming and droplet drift by wind.

5 / Multifunctional adjuvants, called also **multicomponent adjuvants**, contain ingredients from all of the aforementioned types of adjuvants and more. Thanks to the carefully developed compositions of the AGROMIX multifunctional adjuvants, synergistic reactions occur between the components. Synergy here means that there are more technical advantages from their collective activity than if several separate adjuvants from different groups would be added to the spray solution in the tank. Thanks to the perfect compositions based on components that match, there are new properties arising, such as a significant increase in solubility, increased penetration of active ingredients into plants or reduced drift.

AGROMIX adjuvants

A “MUST” FOR AN EFFECTIVE, RESPONSIBLE AND SUSTAINABLE PLANT PROTECTION

Environmental benefits:

- > significantly more active ingredient where it should be – at the site of action, which means less contamination of soil, watercourses, open water and groundwater,
- > less spray drift beyond the crop treated area, which reduces pollution of neighbouring crops and the environment, including inhabited areas,
- > reduced problem of leaching to groundwater – especially for soil applied herbicides,
- > reduced use of plant protection products, less frequent applications,
- > safety for the environment, pollinators, beneficial organisms and better biodegradability (thanks to substrates of plant origin).





Benefits for users:

- > significantly increased efficacy of plant protection applications,
- > reduced risk of resistance development in pest populations,
- > fewer chemicals in the field and less pesticide residues on crops,
- > lower labour inputs and production costs,
- > higher, cleaner yields,
- > better quality of produced food and feed,
- > greater cost-effectiveness and sustainability of farming.



Benefits for consumers:

- > safer food,
- > healthier environment and water,
- > less waste of agricultural production – better use of resources engaged in agriculture.



AGROMIX Premium multifunctional adjuvants

The disadvantage of traditionally used adjuvants, which usually contain only one functional ingredient (surfactant, oil or ammonium fertilizer), is their narrow and thus limited range of activity. For example, although surfactants used with herbicides reduce the surface tension of the spray droplet and increase the retention of spray droplets on the weed surface, they are not able to counteract water hardness or prevent drift of droplets. Their supportive effect is therefore very limited in relation to several simultaneously occurring negative factors. Therefore, the ideal solution is to combine appropriately selected adjuvant components with different modes of action into a single permanent formulation. Such a **multicomponent adjuvant** is able to prevent a collective negative impact of several factors acting at the same time, that hinder activity of the plant protection product.

Innovative all-in-one adjuvants

Intensive research and development work carried out by AGROMIX in close cooperation with many research institutions, especially with the Poznań University of Life Sciences, the Institute of Soil Science and Plant Cultivation and the Institute of Plant Protection, resulted in the development of innovative **multifunctional adjuvants**, which effectively eliminate the most important factors limiting the efficacy of plant protection products. On top of main constituents the unique selection of additional formulation components, such as pH buffer, humectants or UV filters, are among the factors that make them innovative. These components have not been used in standard products so far, but thanks to a unique know-how, they are now incorporated into a new product line. Therefore, AGROMIX multifunctional adjuvants eliminate the troublesome need for selection and application of individual ingredients to a spray tank, and furthermore, they guarantee a high level of performance of agrochemicals in a variety of biological, weather and technical conditions. For example, if herbicides are used, the multidirectional beneficial effect of



multifunctional adjuvants is particularly visible when weed species are less sensitive, overgrown, the air temperature and humidity are low, the soil is dry, and when hard water is used for spraying.

In the years 2009–2015 AGROMIX launched **5 multifunctional adjuvants**:

- AS 500 SL i Atpolan Bio 80 EC – for foliar herbicides,
- Atpolan Soil Maxx – for soil-applied herbicides,
- Lewar pH⁻ Fungi – for fungicides,
- Ento Maxx pH⁻ – for insecticides.

As a result of a research and development programme co-funded by the EU (NCBiR grant) **in 2016-2020, AGROMIX developed an improved line of multifunctional adjuvants**, and made the following products available to the broad agricultural practice:

- Atpolan Bio 80 EC Premium,
- Atpolan Soil Maxx Premium,
- Ento Maxx pH⁻ Premium,
- Lewar pH⁻ Fungi Premium.

followed by AS Premium introduced in 2023 season.

Premium line adjuvants are even more effective than their original formulations, and all of them have an **antidrift component** built-in. The improved profile of these Premium formulations includes also even **better eco-toxicology** (not toxic to fish and bees) and **biodegradability**. Their improved ability to boost efficacy of herbicides, fungicides and insecticides has been confirmed in numerous three-year field experiments conducted by independent research institutions: the Institute of Soil Science and Plant Cultivation – State Research Institute, the Institute of Plant Protection – National Research Institute and the University of Life Sciences in Poznań.

Premium AGROMIX adjuvants – scope of application

Foliage-applied graminicides
(herbicides for monocotyledonous weed control in dicotyledonous crops)

Sulfonylurea herbicides and others requiring oil additive

Herbicides containing glyphosate, glufosinate ammonium, bentazone

Herbicides from growth regulators group (MCPA, 2,4-D, dicamba) and other plant protection products that react negatively to water hardness

Soil-applied pre-emergence herbicides

Fungicides

Insecticides

Growth regulators (CCC, trinexapac-ethyl, mepiquat chloride)

Mixtures of fungicides with insecticides and growth regulators

Kompleksowe rozwiązania herbicydowe w kukurydzy bazujące na herbicydach sulfonylomocznikowych stosowane po wschodach chwastów

Prevention and elimination of foam in the sprayer tank

Prevention of spray drift

Cleaning the sprayer

Atpolan
Bio 80 EC
Premium

Atpolan
Soil Maxx
Premium

Lewar pH⁻
Fungi
Premium

EntoMaxx pH⁻
Premium

AS
Premium

Zero
Piany

Clean
Max SL



strongly recommended



recommended

Atpolan® Bio 80 EC Premium



Its patented formulation consists of methyl ester of fatty acids, blend of surfactant, pH buffer and anti-drift agent.

Recommended for a wide range of postemergence, leaf-applied herbicides, especially sulfonylureas and graminicides.

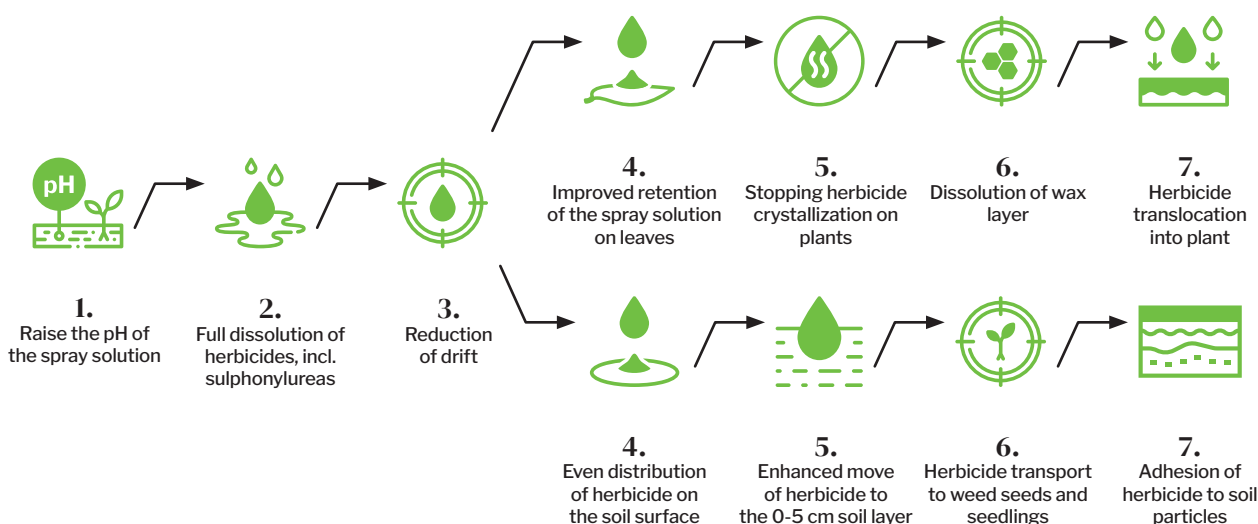
Available in packs: 1, 5, 20, 200, 1000 litres

Activity:

Unlike other oil based adjuvants, Atpolan Bio 80 EC Premium has a **comprehensive and multifunctional** activity ensuring:

- > maximum solubility of herbicides,
- > uniform coverage and wetting of plant surface,
- > excellent retention of spray droplets on leaves and stems,
- > lack of crystallisation of the herbicide on plant surface,
- > fast and increased penetration of the active ingredient into plant tissues and cells,
- > reduced evaporation of the smallest size droplets before their contact with the weed, as well as decreased spray drift.

Effect of Atpolan Bio 80 EC Premium:



Benefits for users:

- > faster and complete herbicide action – efficacy higher up to 50%
- > reduced evaporation and decreased spray drift – ca. 20% more active substance “on spot”
- > possible reduction of herbicide rates by 30% while maintaining the same or increased efficacy compared to full dose of the same product applied without adjuvant
- > lower risk of weed resistance development due to higher efficacy
- > reduced risk of herbicide wash-off by rain
- > higher efficacy of plant protection products used in unfavourable biotic and abiotic conditions
- > significantly lower risk for adjacent crop injury and environmental pollution
- > easier removal of residues from the sprayer tank while cleaning

Use recommendations:

Like its predecessor Atpolan Bio 80 EC, Atpolan Bio 80 EC Premium: is recommended for all postemergence herbicides including those with soil activity.

Application rate: **1,5 l/ha**.



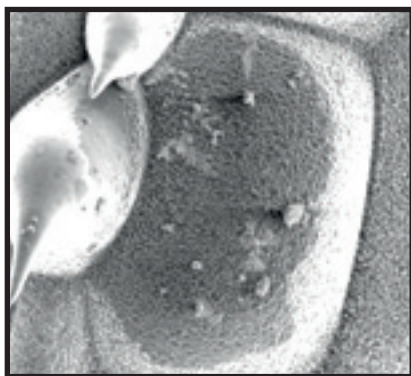
Barrier to foliar herbicides in drought

During a drought, weeds produce a thick waxy coating, which reduces the spray retention on the leaves and further herbicide penetration into the weed's tissues. The droplets with high surface tension exhibit a poor coverage of the leaf surface and can fall off easily.

Efficacy of Hector Max 66,5 WG applied with **Atpolan Bio 80 EC Premium and **Atpolan Bio 80 EC** in maize at a reduced rate (University of Life Sciences, Poznań, PL, 2019).**

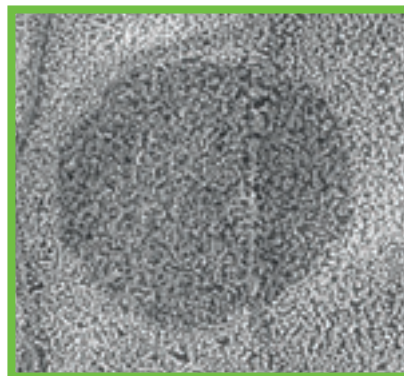
Treatments	Rate [l/ha]	Reduction of fresh mass of weeds [%]			
		Fat Hen [CHEAL]	Black Bindweed [POLAV]	Black Bindweed [POLAV]	Total weeds
Weed density in g/m ² (rated in mid-June)		1066	56	239	1373
Hector Max 66,5 WG	350 g	75	92	65	74
Hector Max 66,5 WG	250 g	67	89	25	57
Hector Max 66,5 WG + Atpolan Bio 80 EC Premium	250 g + 1,5	97	94	94	97
Hector Max 66,5 WG + Atpolan Bio 80 EC	250 g + 1,5	93	87	96	93
Hector Max 66,5 WG + Trend 90 EC	250 g + 0,1%	81	94	65	83

Adjuvant and sulfosulfuron penetration:



Typical surfactant

Crystals of herbicide on the surface of the cuticle



Atpolan Bio 80 EC Premium

Herbicide completely dissolved, no visible crystals of herbicide

Atpolan® Soil Maxx Premium



New generation multicomponent and multifunctional adjuvant for soil-applied herbicides, biostimulants and other pre-emergence agrochemicals. The multifunctional activity is the result of a patented blend of selected oils, surfactants and anti-drift agent.

Available in packs: 1, 5, 20, 200, 1000 litres

Activity:

- > maximum solubility of herbicides – their full potential activated already in the sprayer tank
- > optimum distribution of agrochemicals on the soil surface and in the weed emergence zone
- > increased uptake of herbicide by weeds resulting from better contact of herbicide with soil particles and weed seeds
- > improved penetration of herbicide throughout the soil and its improved uptake by emerging weeds – meaningful especially in very dry conditions
- > “binding” the applied products in the upper layers of the soil while minimising herbicide movement beyond the weed germination zone to the crop root layer (no crop injury or groundwater contamination)

Effects of Atpolan Soil Maxx Premium:



1.
Dissolving herbicides
in the sprayer



2.
Reduced drift



3.
Even distribution
of herbicide on the
soil surface



4.
Transport of herbicide
to weed germination
zone (0-5 cm)



5.
Transport of herbicide
to weed seeds
and seedlings



6.
Adhesion of herbicide
to soil particles

Benefits for users:

- > higher efficacy of soil applied agrochemicals (10% to 30%), especially in adverse soil conditions (soil drought or heavy rainfall),
- > slower evaporation of the smallest spray droplets and decreased spray drift – ca. 20% more a.s. (active substance) stays “on spot”,
- > possible reduction of a.s. rate by 30% while maintaining the same or even increasing efficacy,
- > lower risk for adjacent crop injury and environmental pollution (decreased spray drift).

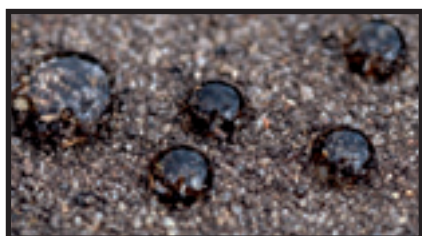
Use recommendations:

Atpolan Soil Maxx Premium is an improved formulation of Atpolan Soil Maxx.

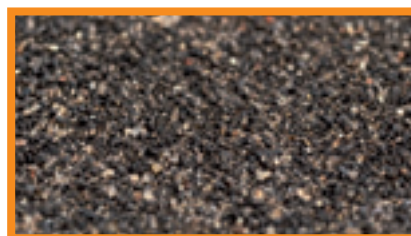
Application rate: **0.5 l/ha**. When preparing the spray solution, slowly pour Atpolan Soil Maxx Premium into the sprayer tank, agitating continuously..

Adjuvants and their effect on the herbicide efficacy of Lumax 537,5 SE (IUNG-PIB, Wrocław, PL, 2018)

Treatment	Rate [l/ha]	Herbicide efficacy [%]						Yield [t/ha]
		Yellow foxtail [SETPU]	Barnyard grass [ECHCG]	Small geranium [GERPU]	Fat hen [CHEAL]	Oilseed rape [BRSNN]	Field pansy [VIOAR]	
LUMAX 537,5 SE	3,5 l	86	80	96	90	90	98	7,05
LUMAX 537,5 SE	1,75 l	70	65	82	70	68	74	6,28
LUMAX 537,5 SE + Atpolan Soil Maxx Premium	1,75 l + 0,5 l	85	76	92	86	85	95	6,99
LUMAX 537,5 SE + Atpolan Soil Maxx	1,75 l + 0,5 l	84	78	90	84	82	94	6,92
LUMAX 537,5 SE + GROUNDED	1,75 l + 0,5 l	80	72	85	78	76	82	6,45
NIR _{0,05}	–	2,81	2,24	2,08	2,64	2,57	3,21	0,56

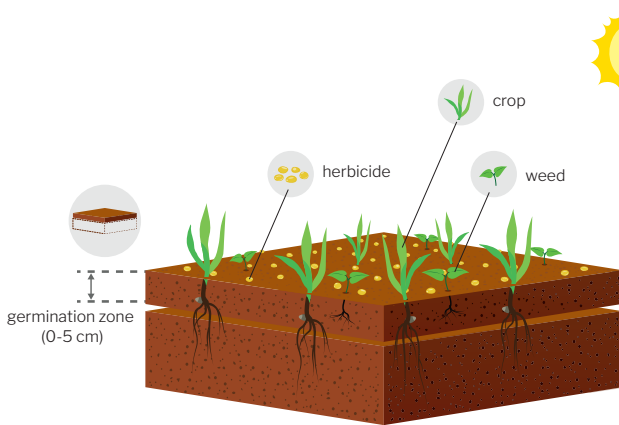


Spray mixture droplets with high surface tension poorly wet the dry soil surface and do not penetrate the weed germination zone



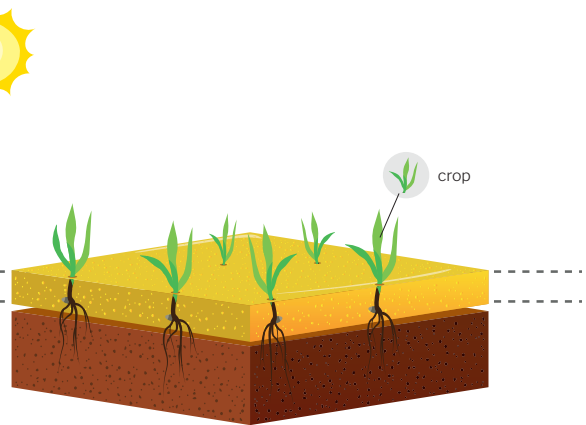
Spray mixture droplets with the addition of Atpolan Soil Maxx evenly cover the dry soil surface, form a microfilm and penetrate the weed germination zone

Herbicide without adjuvant

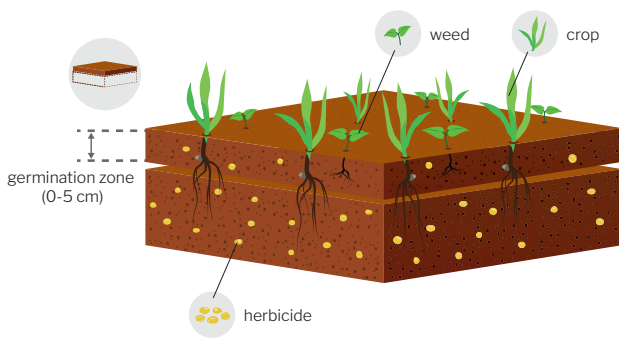


Applying herbicide in sub-optimal soil moisture can cause most of it to remain on the soil surface instead of reaching the weed germination zone. Soil herbicide undergoes crystallization and deactivates.

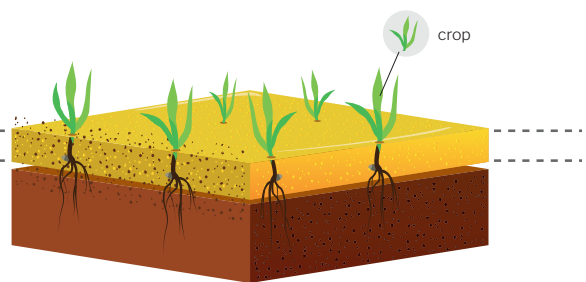
Herbicide + Atpolan Soil Maxx Premium



The patented formulation of Atpolan Soil Maxx Premium can dissolve the herbicide in the oil phase. This allows it to penetrate the weed germination zone, even in the absence of moisture, and effectively target swelling weed seeds and young seedlings.



Intense rainfall can remove herbicide from the weed germination zone, leading to reduced efficacy, phytotoxicity to the crop, prolonged herbicide retention in deeper soil layers, and potential groundwater contamination.



To address this issue, the Atpolan Soil Maxx Premium adjuvant enables the herbicide to dissolve in the adjuvant and adhere well to soil particles, improving its effectiveness. Thanks to the precisely chosen components, the herbicide remains in place even during heavy rain, which prevents its leaching.

Lewar[®] pH⁻ Fungi Premium



Available in packs: 1, 5, 20, 200, 1000 litres

Multicomponent and multifunctional adjuvant for systemic and contact fungicides.

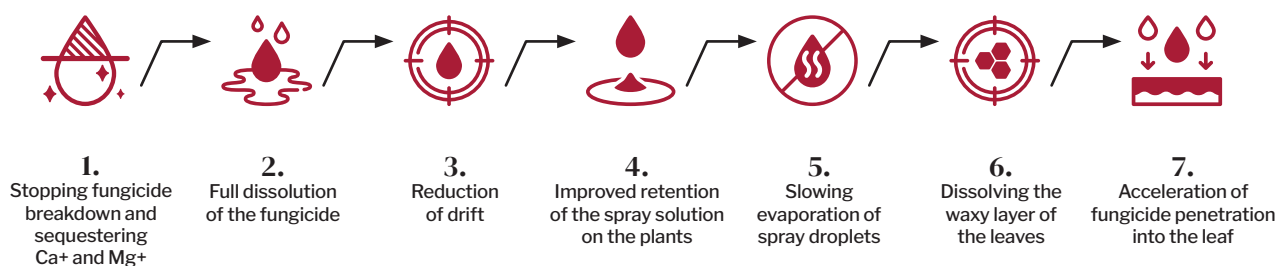
The new generation of the previously marketed Lewar pH⁻ Fungi provides optimal performance of a wide range of fungicides used to protect field crops, vegetables, ornamentals and forests in the diverse environmental and technical conditions for their use.

Its patented and unique formulation containing a blend of modified oils, pH buffer, humectant and anti-drift agents – makes it multifunctional.

Activity:

- > lowers pH of spray mixture and keeps it at 3.5-4.5 optimum level reducing hydrolytic decomposition of fungicides, regardless of their type and the quality of the water used,
- > neutralizes the negative impact of minerals contained in hard water on fungicides: mainly calcium and magnesium cations but also iron and sodium ions,
- > improves spray droplet retention by lower surface tension ensuring optimum plant surface wetting,
- > slows evaporation of spray droplets (humectant properties),
- > facilitates and increases the penetration (absorption) of the active ingredient into plants and its transport to the site of action,
- > reduces the drying of the tiniest droplets even before their contact with the treated plant and prevents their drift beyond the treated area.

Effects of Lewar pH⁻ Fungi Premium:



Benefits for users:

- > maximum protection – faster, more complete and longer activity of fungicides,
- > significantly higher efficacy of fungicides (up to 30%), especially in adverse weather conditions (esp. drought, low air humidity),
- > decreased spray drift – up to 20% more a.s. “on spot”,
- > possible reduction of a.s. rate by 30% while maintaining the same or increasing efficacy level compared to a full-rate application without an adjuvant,
- > shorten rainfastness,
- > lower risk of fungus resistance development,
- > higher yields of better quality,
- > better economy of plant protection and farming.

Use recommendations:

The Lewar pH⁻ Fungi Premium adjuvant is an improved version of Lewar pH⁻ Fungi. It has been honed to exploit the full potential of the fungicides commonly used to protect field crops, vegetables, ornamentals and forests, with particular consideration put on all the major factors affecting their efficacy.

Application rates: **0.75 l per 100 l of spray water.**

Efficacy assessments of fungicides applied against *Sclerotinia stem rot* (*Sclerotinia sclerotiorum*) in oilseed rape – Institute of Plant Protection - 2022

Obiekty badawcze				
Treatment	Rate [l/ha]	Adjuvant	Rates of adjuvants [l/ha]	Efficacy at BBCH 85 [%]
Kontrola	-	-	-	-
Amistar 250 SC	0,8	-	-	71
Amistar 250 SC	0,5	-	-	62
Amistar 250 SC	0,5	Lewar pH ⁻ Fungi Premium	1,5	78
Amistar 250 SC	0,5	Lewar pH ⁻ Fungi Premium	1,25	72



**Adjuvant increases fungicide uptake.
An included effective humectant slows down the evaporation of spray droplets.**



Adverse situation:

no adjuvant.
High surface tension of about 70 mN/m, small contact area between droplet and the sprayed surface, low level of retention because some droplets bounce off the leaves and fall to the ground.



Favourable situation:
a droplet with the multifunctional adjuvant Lewar pH- Fungi Premium.
Surface tension of about 30 mN/m, high level of retention and high absorption due to high concentration gradient.
An effective humectant slows down the evaporation and crystallization of fungicides.



Adverse situation:

a droplet with organosilicone adjuvant. Moderate level of retention of the droplet on the sprayed surface, surface tension of about 20 mN/m optimises leaf coverage, but the concentration gradient is insufficient and passive fungicide uptake is limited. Droplets spread extensively over the surface leads to its rapid drying off.

Ento Maxx[®] pH⁻ Premium



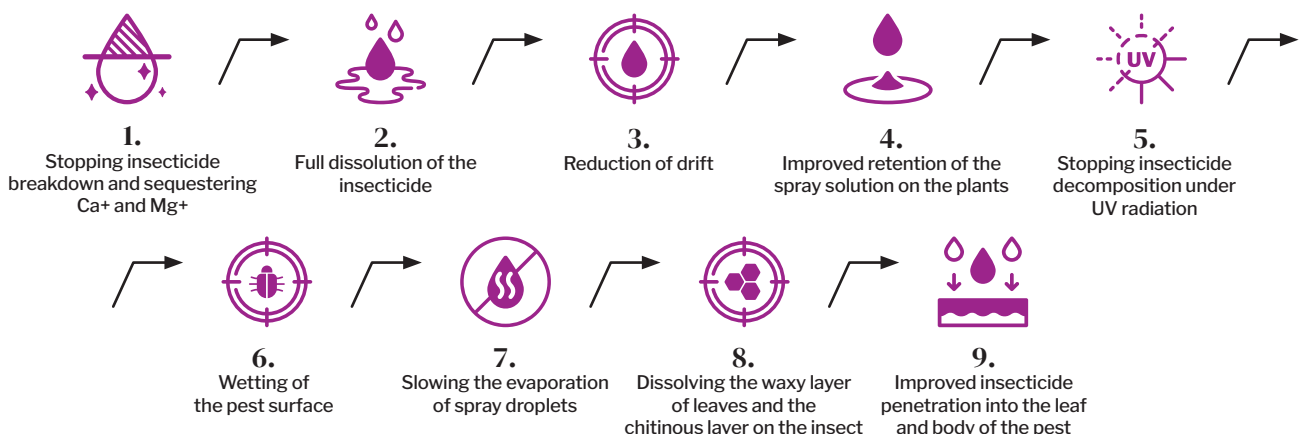
Multicomponent and multifunctional adjuvant that enhances the performance of contact and systemic insecticides for protecting crops in broad agricultural and horticultural as well as forestry. Its unique patented formulation based on a blend of oils, surfactants and pH buffers, a UV filter and an anti-drift agent activates the biological activity of insecticides and modifies the properties of the spray solution (mixture).

Available in packs: 1, 5, 20, 200, 1000 litres

Activity:

- > lowers and maintains the pH of the spray solution at a level that prevents the hydrolytic decomposition of insecticides (pH modified to approx. 5.3–5.9 depending on the adjuvant dose used, the type of insecticide and the quality of water used),
- > lowers the surface tension of the spray droplets,
- > increases retention of the spray solution on the sprayed surface,
- > increases coverage and wetting of the sprayed surface of plants and controlled pests,
- > reduces rapid drying of spray droplets and resulting crystallization of insecticides on the sprayed surface,
- > reduces risk of insecticide wash-off by rain,
- > reduces insecticide decomposition by UV light (an effective UV filter in the formulation),
- > increases insecticide uptake by leaves, stems and body of insects,
- > significantly decreases spray drift, which in turn increases the efficacy of treatments and reduces off-site movement of insecticides beyond the treated area.

Effects of Ento Maxx pH⁻ Premium:





The multifunctional activity of the adjuvant ensures maximum efficacy and stability in a variety of environmental and technical conditions.

Spray solution without Ento Maxx pH⁻ Premium



Spray solution with Ento Maxx pH⁻ Premium



An insect's abdomen is highly hydrophobic and the spray mixture runs off. The addition of the Ento Maxx pH⁻ Premium adjuvant allows for retention of insecticide and contact of the product with the pest, and thus significantly enhances insecticide efficacy.

Benefits for users:

- 20–30% higher efficacy of insecticides, especially in adverse weather conditions (e.g.: drought, high temperature, intensive light operation),
- the full potential of insecticides can be realized by overcoming all relevant barriers to their effective application, including reducing rainfastness,
- faster and complete insecticide activity,
- option for lower insecticides rates (by 30%) without loss of efficacy,
- reduced drift – up to 20% active ingredient remains at the site of action,
- lower risk of resistance development by pests,
- higher yields of better quality,
- higher profitability of production.

Use recommendations:

The Ento Maxx pH⁻ Premium adjuvant is an innovative development of the previous generation of Ento Maxx pH⁻ having the same scope of activity and similar functionality. It perfectly enhances the performance of a wide range of insecticides in virtually all crop situations requiring insect pest control.

Application rates:

- > **pest control with large volumes of water** (more than 300 l/ha, e.g. in orchard plant protection) – concentration of 0.5–0.75% v/v (i.e. 0.5–0.75 l Ento Maxx pH⁻ Premium per 100 l of water)
- > **standard spraying** (up to 300 l/ha) – apply at a concentration of 0.75% v/v (i.e. 0.75 l Ento Maxx pH⁻ Premium per 100 l of water)
- > **ultra-low-volume spraying** (ULV up to 2 l of spray solution per hectare) and low-volume spraying (LV up to 20 l of spray solution per 1 hectare) – apply 0.75 l Ento Maxx pH⁻ Premium per hectare.

Restrictions:

Do not use the Ento Maxx pH⁻ Premium adjuvant in mixtures of insecticides with sulfonylurea herbicides (possible efficacy reduction of herbicides) and with copper fungicides (possible phytotoxic effect on crops).

Efficacy of aphid control in potato – Institute of Plant Protection (2022)

Treatments	Rates [l, kg/ha]	Efficacy [%]		
		2 DAA	7 DAA	14 DAA
Teppeki 50 WG	0,112 + 1,50,112 + 1,250,1120,16	53	90	98
Teppeki 50 WG	0,3 + 0,75%	34	82	98
Teppeki 50 WG + EntoMaxx pH ⁻ Premium	0,3 + 0,1%	63	95	99
Teppeki 50 WG + EntoMaxx pH ⁻ Premium	0,3 + 0,75%	67	97	100

EntoMaxx pH⁻ Premium adjuvant and its effect on the efficacy of Benevia 100 OD insecticide in controlling Colorado potato beetle (IOR-PIB Poznań 2020)

Treatment	Application rate (l/ha)	% efficacy (days after treatment)		
		3	7	14
Benevia 100 OD	0,125	99,4	98,8	100
Benevia 100 OD + EntoMaxx pH ⁻ Premium	0,125 + 1,5	100	100	100
Benevia 100 OD + EntoMaxx pH ⁻ Premium	0,09375 (-25% dose) + 1,5	90,5	92,5	90,3
Benevia 100 OD + EntoMaxx pH ⁻ Premium	0,0625 (-50% dose) + 1,5	86,4	87,9	84,9

AS Premium



AS Premium is a new multi-functional adjuvant formulated for hard water sensitive herbicides, especially glyphosate and growth regulators. It contains a mixture of sequestrants, anti-drift and anti-foaming compounds, surfactants, a humectant and pH buffer.

Available in packs: 1, 5, 20, 200, 1000 litres

Activity:

- > significantly reduces water hardness and foaming of the spray solution,
- > reduces spray drift,
- > increases droplet retention on weed surfaces,
- > overcomes natural barriers to herbicide action such as low temperature, low humidity and a thick wax layer on the plant surface,
- > activates the proton pump in the plant, a mechanism that allows glyphosate molecules to penetrate the cell membrane and be transported to the site of action.

Effects of AS Premium:



1. Improved spray water properties and no foaming

2. Reduction of drift

3. Retention and wetting of leaves

4. Transport of herbicide into gaps in the cuticle

5. Evaporation slowdown and increase of passive absorption time

6. Stimulation of cells to actively uptake herbicide

Benefits for users:

- > possible reduction of glyphosate rates by 30-50%
- > control of highly tolerant weed species,
- > immunity of herbicides to water hardness,
- > lower risk of damage to neighboring crops,
- > no “contamination” of neighboring crops with drifting herbicide,
- > ensuring herbicide efficacy when used during drought, on weeds covered with wax or dust,
- > halving the time required for herbicide penetration (prevents washing away by dew and rain),
- > trouble-free preparation of the spray solution

Use recommendations:

For optimal results, apply at a rate of **1.5 liters per hectare**

Increase the application rate when facing adverse herbicide use conditions, such as using hard or very hard water, spraying in low temperatures, low air and soil humidity, controlling resistant or overgrown weeds, or using more than 150 liters of water per hectare, or when applying plant protection products at reduced rates.

Recommended rates of 360 SL formulation of glyphosate tank mixed with AS Premium, applied in the fall

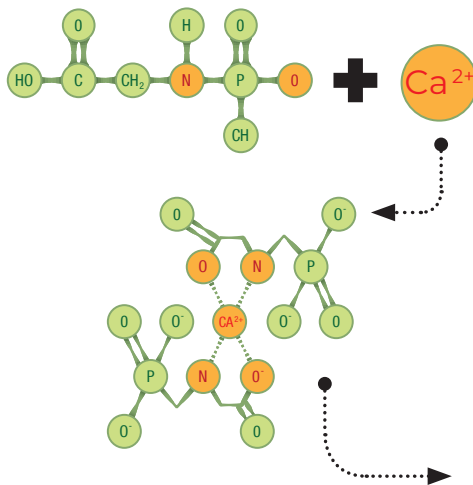
Plants to be controlled	Rates of 360 SL glyphosate formulation [l/ha]	Rates of AS Premium [l/ha]
Stubble – cereal volunteers	0,75	1,5
Stubble – oilseed rape volunteers	1,25	1,5
Couch grass (<i>Elymus repens</i>)	1,5	1,5
Weed seedling mix up to 5 cm in height	1,25	1,5
Mixture of weed seedlings up to 10 cm high	2	1,5
StareOld lucerne with grasses	4	1,5
Grassland and pastures	4	1,5

Efficacy of Roundup 360 SL Plus herbicide used with AS 500 SL and AS Premium adjuvants in control of volunteer winter rye (2022).

Application rate: 130 l/ha, very hard water.

Treatments	Rates [l/ha]	Efficacy at 11 DAA [%]	Efficacy at 21 DAA [%]
1 Inspection (without treatment)	-	0	0
2 Roundup 360 SL Plus	1,0	60,7 a	90,0 a
3 Roundup 360 SL Plus	0,5	29,0 e	48,3 f
4 Roundup 360 SL Plus + AS 500 SL	0,5 + 1,5	51,7 b	85,0 a
5 Roundup 360 SL Plus + AS Premium	0,5 + 1,5	60,7 a	88,0 a
6 Roundup 360 SL Plus	0,4	11,7 g	28,3 g
7 Roundup 360 SL Plus + AS 500 SL	0,4 + 1,5	43,0 c	66,7 cd
8 Roundup 360 SL Plus + AS Premium	0,4 + 1,5	50,0 b	70,7 c
9 Roundup 360 SL Plus + AS 500 SL	0,5 + 1,0	48,7 b	75,0 bc
10 Roundup 360 SL Plus + AS Premium	0,5 + 1,0	60,0 a	83,3 ab
11 Roundup 360 SL Plus + AS 500 SL	0,5 + 0,5	21,7 f	53,3 ef
12 Roundup 360 SL Plus + AS Premium	0,5 + 0,5	38,3 d	60,0 de
	NIR 0.05	4,35	9,39

GLYPHOSATE



One calcium cation (Ca^{2+}) in the water disables two glyphosate molecules to form a crust-like, inactive calcium salt on surface of the treated plant which substantially reduces herbicide efficacy.

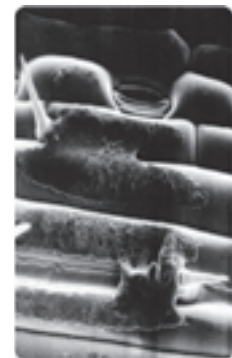


photo Nalewaja i in. 1992

Advantages over other adjuvants:

- > multifunctional activity due to multi-component composition,
- > no need for additional filtration of dissolved ammonium sulfate to prevent clogging of nozzles,
- > ensuring high efficacy in extreme weather situations, which is not provided by surfactants alone in other products,
- > built-in anti-foam makes it easier and reduces the time of performed treatments,
- > built-in anti-drift prevents spray drift and evaporation of the smallest droplets

Zero Foam



Zero Foam (Zero Piany in Polish) is an adjuvant designed to prevent and remove foam formed during the preparation of agrochemical spray solutions.

It is a blend of silicone surfactants and emulsifiers. Zero Foam is a high-performance antifoam emulsion that can be used in all situations where foaming of spray solution is a problem.

Available in packs: 130, 250, 500 ml

Activity:

Zero Foam either prevents the formation of foam caused by mixing pesticides with water if added prior to foaming appears, or rapidly breaks existing foam in the sprayer tank when added during agitation.

Benefits for users:

- > faster spray tank filling (immediate action),
- > protection of the operators (users) and the environment,
- > prevention of overfilling the spray tank, spills and losses of plant protection products,
- > saving time and the cost of cleaning up spilled pesticides,
- > improved efficiency of spraying operations.

Use recommendations:

Shake before use.

When preparing the spray mixture, pour the product directly into the sprayer tank with the agitator running.

Application rates: **1.0–1.5 ml per 100 l of spray mixture.**

Clean Max



Available in packs: 1, 5, 20, 200, 1000 litres,
300 g, 1 kg

Clean Max modifying adjuvant completes the list of essential modern plant protection products offered by AGROMIX to agrochemical users. Based on a specific unique blend of surfactants, pH buffers and solubilizers, it is dedicated for cleaning agriculture spraying equipment used for the application of pesticides.

Available in WG formulation (granules) and SL formulation (liquid).

Activity:

Clean Max is a dedicated and optimized product for cleaning of spraying equipment presenting unprecedented efficiency. It cleans all parts of the equipment, even from the smallest traces of plant protection products, including those difficult to remove, such as residues of sulfonylurea herbicides. With its unique, optimised formulation, Clean Max, unlike many other simple cleaners, has no negative impact on sprayer components, including components made of non-ferrous metals. Clean Maxx contains anti-corrosion substances, and does not contain the commonly used sodium hydroxide and sodium hypochlorite. This adjuvant is also easily biodegradable (in accordance with applicable laws and regulations), and has no biocidal effect.

Benefits for users:

- ▶ extremely effective cleaning of spray equipment after any agrochemical application
- ▶ safety of crops treated with use of the same spraying equipment regardless of the selection and sequence of application of products
- ▶ no crop injuries and yield losses due to residues of previously used pesticides (especially herbicide) left unwashed in spraying equipment
- ▶ no accidental and unacceptable residues in the yield of crops
- ▶ no harm to rubber and silicone seals
- ▶ sprayer components made of non-ferrous metals and their alloys protected against corrosion
- ▶ lower maintenance and servicing costs of the crop protection equipment

Use recommendations:

Doses for **WG formulation: 100 g to 150 g per 100 l of water** used for cleaning of the spray equipment.

Doses for **SL formulation: 0.25 l to 0.5 l per 100 l of water**.

Higher doses should be applied in case of heavily polluted sprayers and after applying sulfonylurea herbicides.

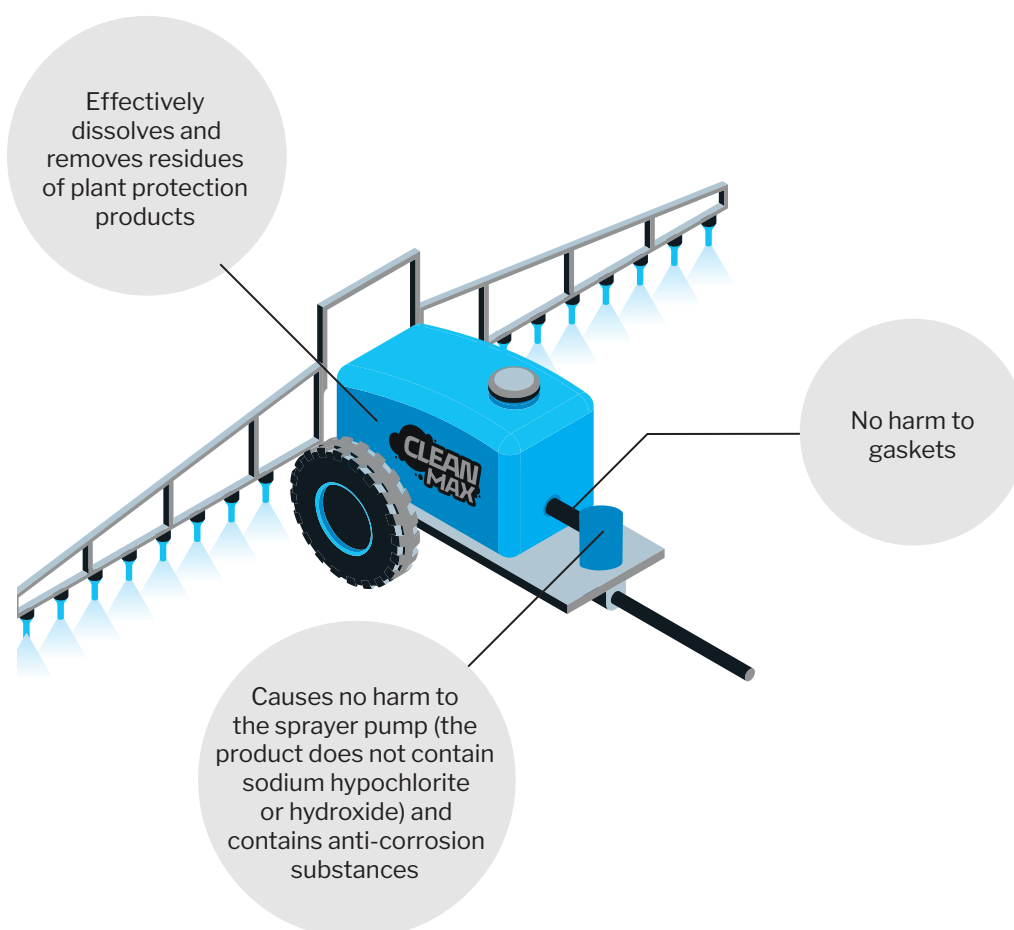
SPRAYER WITHOUT BUILT-IN CLEANING SYSTEM

Dissolve the measured amount of Clean Max in a small amount of water and pour into the sprayer tank. Fill up the sprayer tank with the desired amount of water. Start the pump for 10 – 15 minutes. After cleaning, remove the cleaning liquid and then rinse the sprayer tank and its system with a small volume of clean water.

SPRAYER WITH OWN CLEANING SYSTEM

Fill the sprayer tank with water up to 10– 15% of its total volume. Add the measured amount of Clean Max into the diluter (product should be dissolved in a small amount of water first). Initiate cleaning process. After cleaning, remove the liquid and then rinse the sprayer tank and the system with a small volume of clean water.

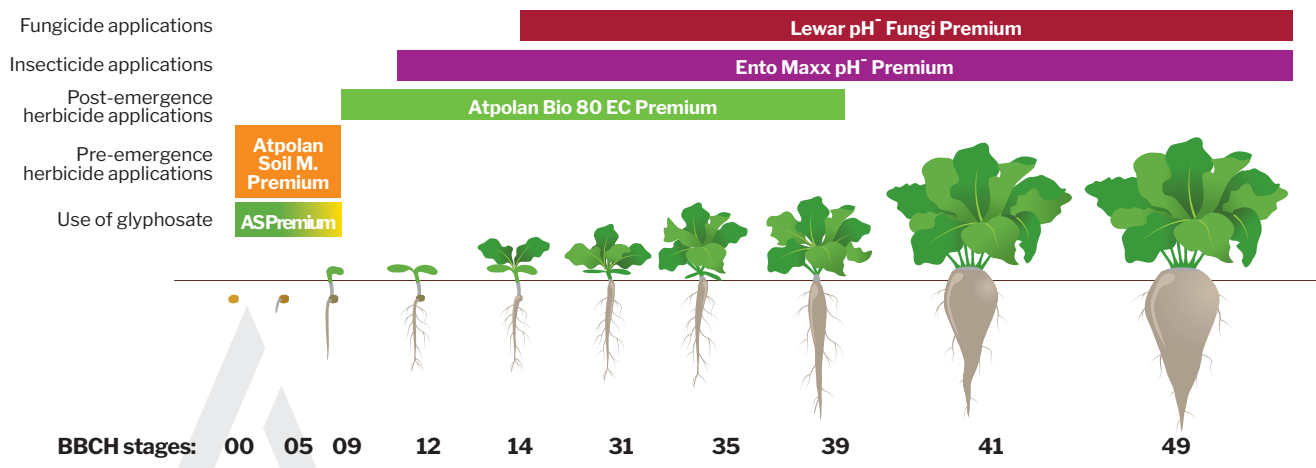
Note. After the cleaning is finished remove cleaning liquid by spraying it off on the field where the treatment was performed.



Use of adjuvants in main crops

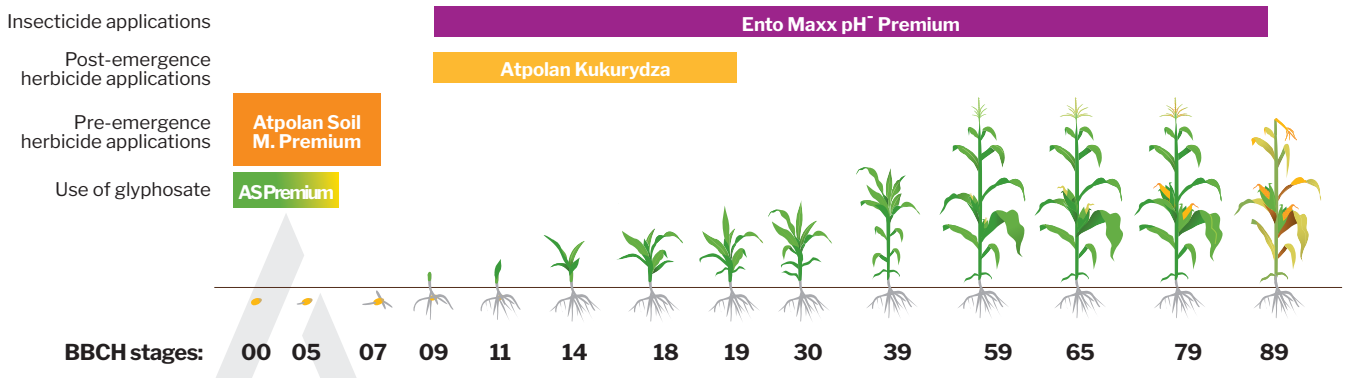
SUGAR BEETS

Basic treatments in sugar beets [no. of applications]	Main active substances	AGROMIX adjuvants	Key benefits
glyphosate pre-emergence (couch grass and early emerging annual weeds) [1]	glyphosate	AS Premium	<ul style="list-style-type: none"> • 30%-50% higher efficacy or • possible reduction of glyphosate herbicide rates by 30% (lower costs) • no adjacent crop injury and no environmental pollution • higher yields and profits
pre-emergence soil applied and foliar herbicides [1]	metamitron, lenacil	Atpolan Soil Maxx Premium	<ul style="list-style-type: none"> • reduced herbicide off-site drift • increased uptake of herbicide by weeds, also in drought • reduced leaching of herbicides from the weed germination zone – no crop injury and environmental pollution • higher and longer efficacy of soil-applied herbicides • higher yields and profits
post-emergence soil applied and foliar herbicides [3]	desmedipham, phenmedipham, chloridazon, metamitron, lenacil, ethofumesate, quinmerak, triflusal, triflurosulfuron, foramsulfuron, thiencarbazone-methyl, graminicides: fluazifop-P-butyl, clethodim, quizalofop-P and other	Atpolan Bio 80 EC Premium	<ul style="list-style-type: none"> • higher efficacy of herbicides (10%-30%) and/or possible reduction of rates by 30% • higher efficacy of herbicides in adverse weather conditions (drought) • no injuries of adjacent crops and no pollution of the environment • higher yields and profits
fungicides (e.g. Cercospora leaf spot disease, beet rust) [1]	azoxystrobin, difenoconazole, epoxiconazole, mancozeb, prothioconazole, propiconazole, tebuconazole, tetraconazole, copper based fungicides (except copper oxychloride)	Lewar pH⁻ Fungi Premium	<ul style="list-style-type: none"> • much higher efficacy of contact and systemic fungicides also in adverse weather conditions (e.g.: drought and periods with heavy rainfalls) • possible reduction of fungicide rates by 30% while maintaining the same or improved efficacy level • reduced spray drift • higher yields of better quality, higher profits
insecticides (e.g. aphids, sugar beet weevil) [2]	chlorpyrifos, cypermethrin, deltamethrin, lambda-cyhalothrin, acetamiprid, imidacloprid, thiacloprid, flonicamid	Ento Maxx pH⁻ Premium	<ul style="list-style-type: none"> • 20%-30% higher efficacy • possible reduction of insecticide rates by 30% while maintaining the same high efficacy • up to 20 % reduced spray drift - safer insecticide applications • higher yields of better quality, higher profits
spray tank cleaning [4]	-	Clean Max	<ul style="list-style-type: none"> • safety of the following applications - certainty of no pesticide residues in a spraying systems • no crop loss / contamination and resulting compensations • prolonged longevity of plant protection equipment • lower costs and higher profits



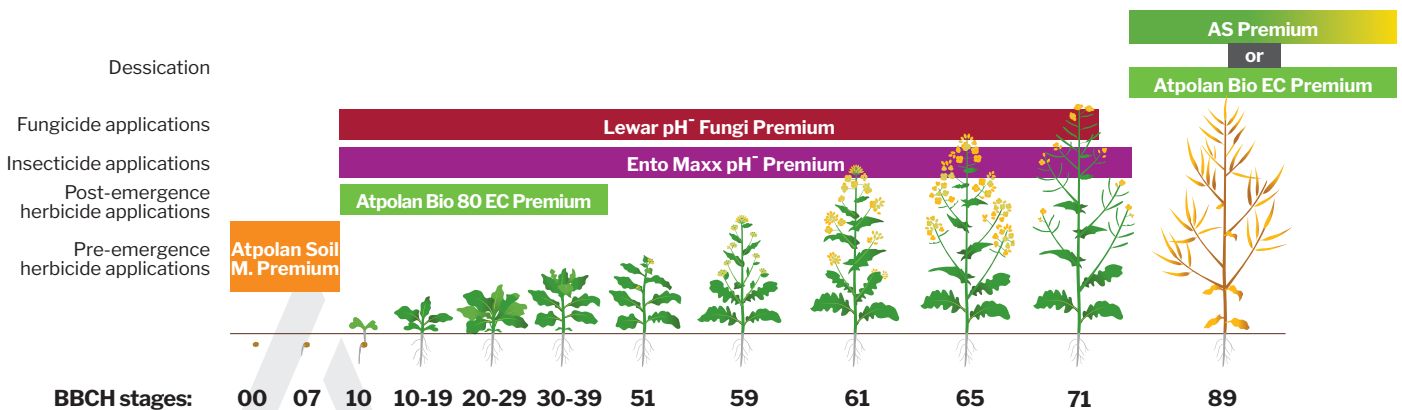
MAIZE

Basic treatments in maize [no. of applications]	Main active substances	AGROMIX adjuvants	Key benefits
glyphosate pre-emergence (couch grass and early emerging annual weeds) [1]	glyphosate	AS Premium	<ul style="list-style-type: none"> • 30%-50% higher efficacy or • possible reduction of glyphosate herbicide rates by 30% (lower costs) • no adjacent crop injury and no environmental pollution • higher yields and profits
pre-emergence herbicides [1]	atrazine, cyprosulfamide, dimethenamid-P, isoxaflutole, mesotrione, pendimethalin, s-metolachlor, terbutylazine, thiencarbazone-methyl	Atpolan Soil Maxx Premium	<ul style="list-style-type: none"> • reduced herbicide off-site drift • increased uptake of herbicide by weeds, also in drought • reduced leaching of herbicides from the weed germination zone - no crop injury and environmental pollution • higher and longer efficacy of soil-applied herbicides • higher yields and profits
post-emergence herbicides [1]	2,4-D, atrazine, bentazon, bromoxynil, dicamba, florasulam, flufenacet, fluroxypyr, foramsulfuron, Iodosulfuron-methyl-sodium, mesotrione, rimsulfuron, sulcotrione, terbutylazine, thiencarbazone-methyl	Atpolan Bio 80 EC Premium	<ul style="list-style-type: none"> • higher efficacy of herbicides (10%-30%) ensuring control of hard to control weeds or • possible reduction of rates by 30% resulting in no plant growth inhibition • maintained efficacy of herbicides in adverse conditions (esp. drought) • no adjacent crop injury and no pollution of the environment • higher yields and profits
insecticides (e.g. aphids, European corn borer, western corn rootworm) [1]	beta - cyfluthrin, lambda - cyhalothrin, deltamethrin, chlorantraniliprole	Ento Maxx pH⁺ Premium	<ul style="list-style-type: none"> • 20%-30% higher efficacy • possible reduction of insecticide rates by 30% while maintaining the same high efficacy level • up to 20 % reduced spray drift – improved safety of insecticide applications • higher yields and crop quality, higher profits
spray tank cleaning [2]	-	Clean Max	<ul style="list-style-type: none"> • safety of the following applications - certainty of no pesticide residues in a spraying systems • no crop loss / contamination and resulting compensations • prolonged longevity of plant protection equipment • lower costs and higher profits



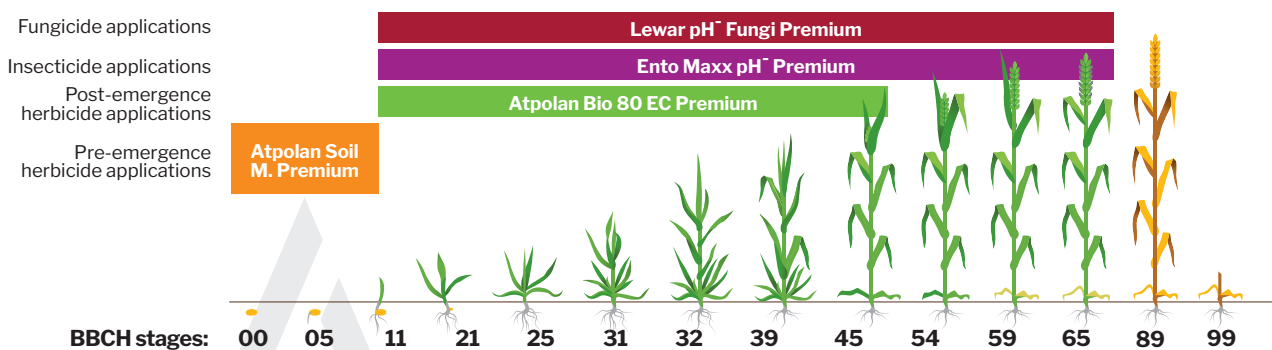
OILSEED RAPE

Basic treatments in oilseed rape [no. of applications]	Main active substances	AGROMIX adjuvants	Key benefits
pre-emergence herbicides [1]	napropamide, clomazone, metazachlor, dimethanamid-P, quinmerac, pendimethalin	Atpolan Soil Maxx Premium	<ul style="list-style-type: none"> reduced herbicide off-site drift increased uptake of herbicide by hard to control weeds, (e.g.: pennycress, small geranium), also in drought reduced leaching of herbicides from the weed germination zone - no oilseed rape discoloration and contamination of the environment higher and longer-lasting efficacy of soil-applied herbicides (clomazone, metazachlor) higher yields and profits
post-emergence herbicides [2]	napropamide, bifenox, clomazone, clopyralid, metazachlor, dimethanamid-P, quinmerac, imazamox, cleotidim, picloram, graminicides: fluazifop-P-butyl graminicides, clethodim, quizalofop-P and other	Atpolan Bio 80 EC Premium	<ul style="list-style-type: none"> higher efficacy of herbicides (10%-30%) and/or possible reduction of rates by 30% maintained efficacy of herbicides in adverse conditions (esp. drought) no crop injury on adjacent fields and no pollution of the environment higher yields and profits
fungicides (e.g. cylindrosporiosis, dry rot, Sclerotinia rot) [3]	azoxystrobin, benzovindiflupyr, cyproconazole, difenoconazole, dimoxystrobin, epoxiconazole, fluoxastrobin, fluxapyroxad, isopyrazam, mancozeb, metconazole, prochloraz, prothiokonazole, pyraclostrobin, tebuconazole, thiophanate-methyl	Lewar pH⁻ Fungi Premium	<ul style="list-style-type: none"> much higher efficacy, especially in adverse conditions (faster, longer and more complete fungicide activity) possible reduction of fungicide rates by 30% while maintaining the same or increasing efficacy level no fungicide drift beyond the crop treated area higher yields and crop quality, higher profits
insecticides (e.g. aphids, cabbage stem weevil, common pollen beetle) [4]	lambda- cyhalothrin, alpha- cypermethrin, beta-cyfluthrin, cypermethrin, deltamethrin, zeta- cypermethrin, acetamiprid, tau-fluvalinate	Ento Maxx pH⁻ Premium	<ul style="list-style-type: none"> 20%-30% higher efficacy, also in adverse conditions, such as low air humidity, UV light impact possible reduction of insecticide rates by 30% while maintaining the same high efficacy level up to 20% reduced spray drift – improved safety of insecticide applications higher yields and crop quality, higher profits
dessication [1]	dikwat, glyphosate	AS500SL + Anty-Dryft Maxx	<ul style="list-style-type: none"> reduced rate of desiccant used without compromise to efficacy (less residues in crop) no crop injury on adjacent fields and no pollution of the environment higher yields and profits
spray tank cleaning [2]	-	Clean Max	<ul style="list-style-type: none"> safety of the following applications - certainty of no pesticide residues in a spraying systems no crop loss / contamination and resulting compensations prolonged longevity of plant protection equipment lower costs and higher profits



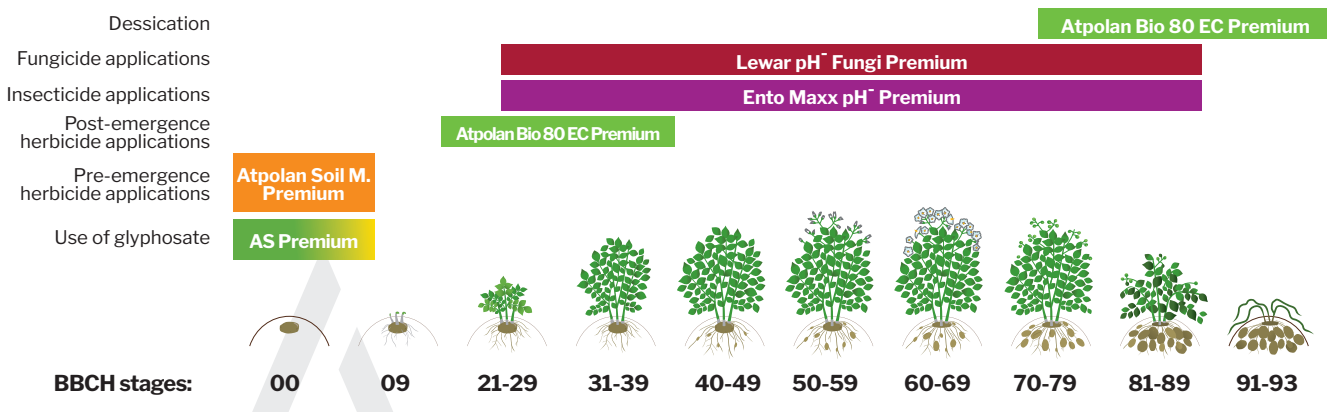
CEREALS

Basic treatments in cereals [no. of applications]	Main active substances	AGROMIX adjuvants	Key benefits
pre-emergence herbicides [1]	metribuzin, diflufenican, chlorotoluron, pendimethalin, flurochloridone, flufenacet, prosulfocarb, picolinafen	Atpolan Soil Maxx Premium	<ul style="list-style-type: none"> reduced herbicide drift beyond the treated site increased uptake of herbicide by weeds, also in drought reduced leaching of herbicides from the weed germination zone – no crop injury and no environmental pollution improved efficacy of hard to control weeds e.g. common windgrass and slender meadow foxtail higher yields and profits
post-emergence herbicides [2]	flufenacet, lodosulfuron-methyl-sodium, mesosulfuron-methyl, prosulfocarb, picolinafen, chlorotoluron, metribuzin, metsulfuron-methyl, sulfosulfuron, pinoxaden, MCPA, 2,4-D, dicamba, tribenuron-methyl, florasulam, fluroxypyr, clopyralid, thifensulfuron, mecoprop-P	Atpolan Bio 80 EC Premium	<ul style="list-style-type: none"> higher efficacy of herbicides (10%-30%) and/or possible reduction of rates by 30% high efficacy against difficult to control biotypes, e.g.: biotypes of common windgrass and slender meadow foxtail maintained efficacy of herbicides in adverse weather conditions (esp. drought) no crop injury on adjacent fields and no environmental pollution higher yields and profits
fungicides (e.g. rusts, Tapesia yelloundae, Pyrenophora teres, powdery mildew, ramularia, rhynchosporiosis, septoria, take-all, Pyrenophora tritici-repentis) [2,5]	vindiflupyr, cyflufenamid, cyproconazole, cyprodinil, difenoconazole, dimoxystrobin, epoxiconazole, fenpropidin, fenpropimorph, fluoxastrobin, fluxapyroxad, flutriafol, folpet, isopyrazam, mancozeb, metrafenone, metconazole, prochloraz, proquinazid, prothioconazole, pyraclostrobin, spiroxamine, tebuconazole, thiophanate-methyl	Lewar pH⁻ Fungi Premium	<ul style="list-style-type: none"> much higher efficacy, especially in adverse conditions (faster, longer and more complete fungicide activity) possible reduction of fungicide rates by 30% while maintaining the same or increasing efficacy level no fungicide drift beyond the crop treated area higher yields and crop quality, higher profits
growth regulators (retardants) [1]	chlormequat chloride, mepiquat chloride, prohexadione-calcium, trinexapac-ethyl	Lewar pH⁻ Fungi Premium or AS Premium	<ul style="list-style-type: none"> higher efficacy, including hard water situations possible reduction of rates by 30% in all conditions, including adverse conditions simultaneous increase in efficacy of fungicides and growth regulators used together
insecticides (e.g. aphids, cereal leaf beetle) [1]	acetamiprid, alpha-cypermethrin, beta-cyfluthrin, cypermethrin, deltamethrin, lambda-cyhalothrin, zeta-cypermethrin	Ento Maxx pH⁻ Premium	<ul style="list-style-type: none"> 20%-30% higher efficacy and a much longer protection period possible reduction of insecticide rates by 30% while maintaining the same high efficacy level up to 20% reduced spray drift – improved safety of insecticide applications higher yields and crop quality, higher profits
spray tank cleaning [3]	-	Clean Max	<ul style="list-style-type: none"> safety of the following applications - certainty of no pesticide residues in a spraying systems no crop loss / contamination and resulting compensations prolonged longevity of plant protection equipment lower costs and higher profits



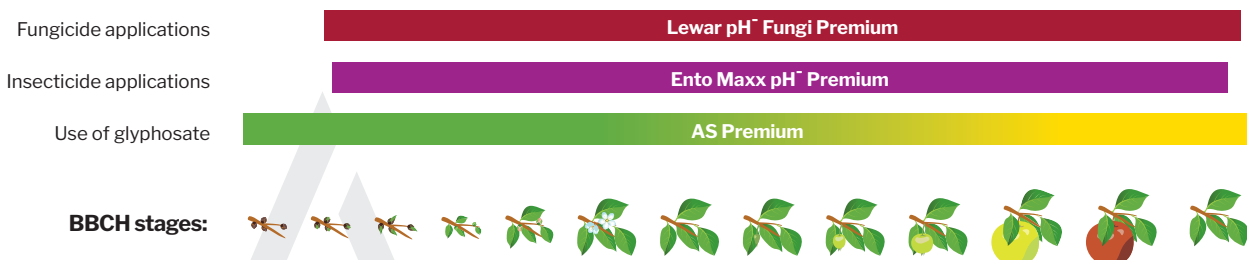
POTATO

Basic treatments in potato [no. of applications]	Main active substances	AGROMIX adjuvants	Key benefits
glyphosate pre-emergence (couch grass and early emerging annual weeds) [1]	glyphosate	AS Premium + Zero Foam	<ul style="list-style-type: none"> • 30%-50% higher efficacy or • possible reduction of glyphosate herbicide rates by 30% (lower costs) • no adjacent crop injury and no environmental pollution • higher yields and profits
pre-emergence herbicides [1]	clomazone, pendimethalin, metobromuron, flufenacet, flurochloridone, aclonifen, prosulfocarb, metribuzin	Atpolan Soil Maxx Premium	<ul style="list-style-type: none"> • reduced herbicide off-site drift • increased uptake of herbicide by weeds, also in drought • reduced leaching of herbicides from the weed germination zone – no crop injury and environmental pollution • reduced photodegradation and evaporation of herbicides • higher and longer-lasting efficacy of soil-applied herbicides • higher yields and profits
post-emergence herbicides [2]	rimsulfuron, metribuzin, bentazon, quizalofop-P-ethyl, clethodim	Atpolan Bio 80 EC Premium	<ul style="list-style-type: none"> • higher efficacy of foliar and soil applied herbicides (10%-30%) and/or possible reduction of rates by 30% • higher efficacy of herbicides in adverse weather conditions (esp. in drought) • no adjacent crop injury and environmental pollution • higher yields and profits
fungicides (Phytophthora - potato late blight, Alternaria – early blight and leaf blight) [8]	mancozeb, folpet, difenoconazole, azoxystrobin, pyraclostrobin, propamocarb, dimethomorph, cymoxanil, fenamidone, metalaxyl-M, benalaxyl-M	Lewar pH⁺ Fungi Premium	<ul style="list-style-type: none"> • much higher efficacy in all conditions (faster, longer and more complete fungicide activity) • active substances on the surface of plants protected from wash-off by rain and irrigation • no fungicide drift beyond the crop treated area – no adjacent crop injury and no contamination with residues • higher yields and crop quality, higher profits
insecticides (aphids, Colorado beetle) [2]	cyantraniliprole, chlorantraniliprole, lambda- cyhalothrin, alpha-cypermethrin, cypermethrin, deltamethrin, zeta- cypermethrin, acetamiprid, tau- fluvalinate	Ento Maxx pH⁺ Premium	<ul style="list-style-type: none"> • 20%-30% higher efficacy of insecticides • reduced risk of pest resistance development • up to 20 % reduced spray drift and slowed evaporation – improved safety to insecticide applications • higher yields and crop quality, higher profits
spray tank cleaning [2]	-	Clean Max	<ul style="list-style-type: none"> • certainty – no pesticide residues – next application is safer • reduced crop loss and compensation • enhanced longevity of plant protection equipment • lower costs and higher profits



APPLE ORCHARDS

Basic treatments in apple orchards [no. of applications]	Main active substances	AGROMIX adjuvants	Key benefits
herbicides [2]	glyphosate, MCPA, 2,4-D	AS Premium	<ul style="list-style-type: none"> • 30%-50% higher efficacy or possible reduction of glyphosate herbicide rates by 30% (lower costs) • no adjacent crop injury and no environmental pollution • higher yields and profits
fungicides [10]	thiophanate-methyl, captan, mancozeb, dodine, pyrimethanil, dithianon, fluxapyroxad, cyprodinil, trifloxystrobin, difenoconazole, tebuconazole, tetraconazole proquinazid, pentirad, fluopyram, cyflufenamid, isopyrazam, copper hydroxide, copper sulfate basic	Lewar pH⁺ Fungi Premium	<ul style="list-style-type: none"> • much higher efficacy, especially in adverse conditions (faster, longer and more complete fungicide activity) • possible reduction of fungicide rates by 30% while maintaining the same or increasing efficacy level, • no fungicide drift beyond the crop treated area, • higher yields and crop quality, higher profits
insecticides [10]	deltamethrin, tau-fluvalinate, cypermethrin, abamectin, chlorantraniliprole, flupradifuron, acetamiprid, lambda-cyhalothrin, flonicamid, lambda-cyhalothrin, hexythiazox, fenpyroximate, chlofentezine	Ento Maxx pH⁺ Premium	<ul style="list-style-type: none"> • 20%-30% higher efficacy, also in adverse conditions, such as low air humidity, UV light impact, • possible reduction of insecticide rates by 30% while maintaining the same high efficacy level, • up to 20% reduced spray drift – improved safety of insecticide applications, • higher yields and crop quality, higher profits
spray tank cleaning [5]	-	Clean Max	<ul style="list-style-type: none"> • certainty – no pesticide residues – next application is safer • reduced crop loss and compensation • enhanced longevity of plant protection equipment • lower costs and higher profits



Notes

Notes

AGROMIX®

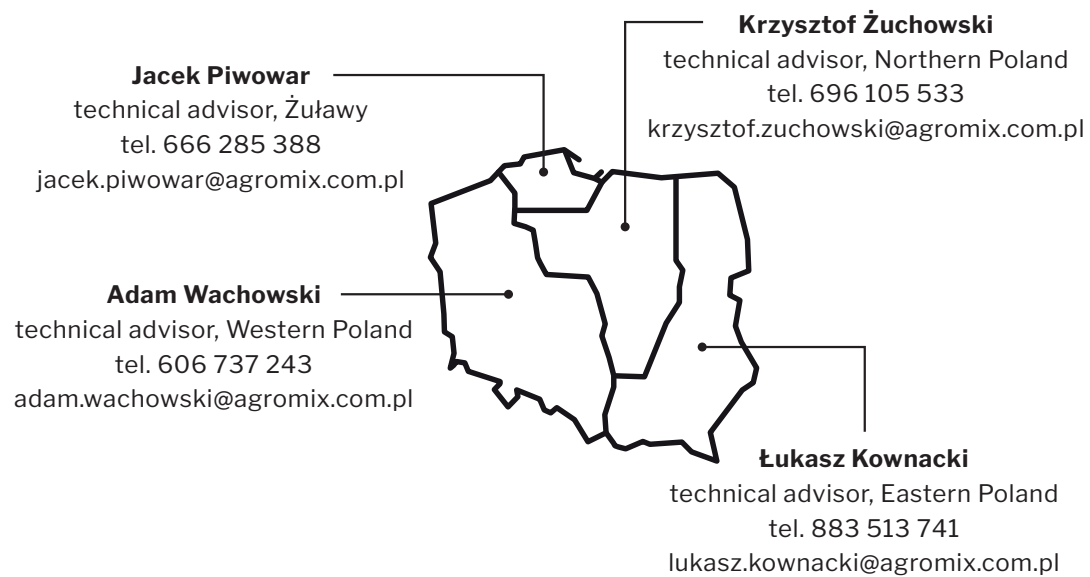
ADJUVANTS REDEFINED

ONLINE ORDERS

WWW.AGROMIX.COM.PL/SKLEP



TECHNICAL ADVISORS



AGROMIX

ul. Mokra 7, 32-005 Niepołomice
tel.: +48 122 811 008, agromix@agromix.com.pl
WWW.AGROMIX.COM.PL