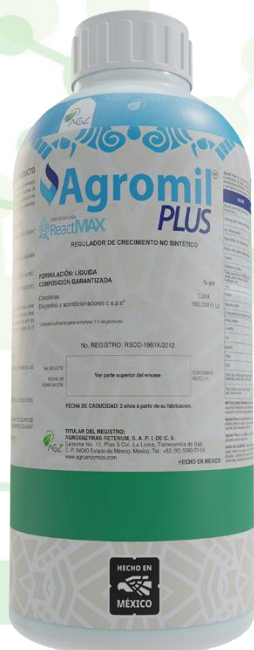


Technical Data Sheet



AGROMIL®PLUS WITH REACTMAX TECHNOLOGY

GENERAL INFORMATION

Category	Growth Regulator	
Guarantee of Composition	CPPU	Content % w/v 0.204%
	q.s. to complete	100% (1 L)

Key feature It is a cytokinin-based tool, formulated with ReactMAX technology, designed to stimulate cell division in young organs (buds, flowers, and fruits), resulting in increased fruit size and uniformity. Likewise, due to its high bioactivity, it can stimulate lateral sprouting and delay senescence in crops.

Manufacturer / Formulator / Distributor IQ Chemicals & Labs S.A. de C.V.
IQ Chem & Labs S.A. de C.V.
Agroenzymas México S.A. de C.V.

Registration RSCO-196/IX/2012

Technical Data Sheet



MODE OF ACTION AND EFFICACY:

Agromil®PLUS with **ReactMAX** technology is the only product for agricultural use with a high content of highly bioactive cytokinins, which can be used to effectively regulate various physiological and morphological processes controlled by cytokinins, thereby improving production, quality, and, consequently, commercial productivity. It is a growth regulator made with highly reactive development-promoting molecules whose purpose is to stimulate specific physiological events such as fruit size and uniformity, promote the vigor of lateral shoots, and delay senescence. The high specificity of the hormonal compounds and the balance between them make it necessary to apply them at times of high sensitivity, as this is how the expected response is maximized.

METHOD OF APPLICATION:

Agromil®PLUS with **ReactMAX** technology is designed for foliar application to the target organ to be affected. The prepared solution of **Agromil®PLUS** with **ReactMAX** technology must adequately wet the target organ. Due to the events it regulates, it is always used via foliar spraying. Apply early in the morning. Do not apply on windy or rainy days. Fully soluble in water. Application with a non-ionic adjuvant is recommended to improve its application. To prepare, add water to 50% of the container, then add the required amount of **Agromil®PLUS** with **ReactMAX** technology and finally fill the container with water to 100%.

SPECIAL PRECAUTIONS:

Do not acidify the pH of the spray water; keep it between 5 and 7. As it is a molecule that does not move, it is recommended to add an adjuvant for good penetration and dispersion in the tissue of importance.

GENERAL RECOMMENDATIONS

To optimize the effectiveness of **Agromil®PLUS** with **ReactMAX** technology on fruit size increase, it is important to consider:

- **Application stage.** Due to its cytokinin activity, it should be applied to organs undergoing rapid growth through cell division, such as buds, flowers, and young fruits. If the objective is to stimulate lateral sprouting, it should be applied at the beginning of the event or when the buds swell. If the objective is to delay senescence, in most cases it is recommended to apply the product after crop cutting or to increase the dose and apply it during the last cuts.
- **Application frequency.** Specific applications can be made as many times as necessary, depending on the presence of flower buds, flowers, and fruits that are considered commercially important and whose growth through cell division is to be stimulated. Depending on the crop, applications can be considered every 10-15 days or more during the fruit cell division stage.
- **Managed dose.** It is recommended to apply the recommended dosage to achieve the desired biological effectiveness. It is not recommended to exceed or under-dose the recommended dosage to achieve the desired effect.
- **Mixing with other agrochemicals.** It is recommended to mix **Agromil®PLUS** with **ReactMAX** technology with foliar fertilizers to stimulate adequate supply of elements during cell division stimulation. It can be mixed with all agrochemicals with current registration. When mixing with other growth regulators, it is recommended to conduct small-scale biological effectiveness tests to detect inadequate results.

The solution must adequately wet the target organ, so it is recommended to include a dispersant penetrant.

Technical Data Sheet



EFFECTS ON CROPS:

Agromil®PLUS with **ReactMAX** technology regulates the following processes in plants through its cytokinin action:

- **Stimulates cell division.** The growth regulator contained in **Agromil®PLUS** with **ReactMAX** technology is the most active and safest cytokinin currently on the market for stimulating cell division when applied to flower buds, flowers, and young fruits.
- **Increase in fruit size.** Young organs that come into contact with **Agromil®PLUS** with **ReactMAX** technology increase the cell division process, while at the same time stimulating the formation of cytokinins generated in the plant, thereby increasing this process and resulting in fruit that is more uniform in size and quality.
- Stimulates lateral sprouting.
- Increases brix degrees and internal characteristics of the fruit. Cell division stimulates sugar concentration in the fruit, reduces acids, and increases antioxidant concentration.
- Increases consistency. The greater number of cells that give the fruit its size increases the consistency of the fruit pulp.
- Delays the aging of tissues and organs.

PHYTOTOXICITY:

It is not phytotoxic to crop at the recommended doses.

Do not apply during harvest on blackberry, blueberry, and raspberry crops.

Make the last application eight days before starting harvest.

COMPATIBILITY:

- Mixing strong alkaline or oxidizing products is not recommended. If necessary, a small-scale test should be carried out to verify that the mixture does not separate (formation of lumps, separation of compounds, etc.).
- Mixing with copper is not recommended.
- It is compatible with fungicides, insecticides, and other fertilizers. If there is any doubt about the origin of the material to be mixed, it is recommended to perform a compatibility test and determine that the mixture is not toxic to the crops of interest.
- Handling of adjuvants. It is recommended that it be accompanied by a dispersant-penetrant.
- It is recommended that the application be accompanied by foliar fertilizers.

Technical Data Sheet



CROP	DOSE (ml/L)	APPLICATION PERIOD
Chili peppers	2.0 - 2.5	To induce lateral bud sprouting, apply at the beginning of vegetative development. To improve fruit weight, size, and uniformity, apply at the beginning of flowering and fruit set, repeating after each cutting.
Tomatoes and eggplants	1.0 - 2.5	To improve plant conformation, apply at the beginning of vegetative development. To improve fruit weight, size, and uniformity, apply at the beginning of flowering and fruit set, repeating after each cutting (21 days for determinate tomatoes).
Zucchini, melons, watermelons, and cucumbers	1.0 - 1.5 0.5 - 1.0	Improve initial branch development: apply when there are 3 to 5 true leaves. Improve fruit set and/or fruit attachment: apply at the beginning of female flowering and when the first fruits form. Improve fruit weight, size, and uniformity: repeat every 10-15 days thereafter.
Blueberries	2.5	To improve vegetative development, apply at the beginning of growth and repeat every 15 days as necessary. To improve fruit size, apply at the beginning of flowering and repeat every 15 days. Safety interval: 8 days.
Garlic and Onion	1.0	To improve fruit shape, size, and uniformity, apply to the second pair of true leaves.
Deciduous fruit trees (apples, peaches, pears, plums, and cherries)	1.0	To increase fruit set, improve fruit size and shape, apply to the fruit stem and repeat at the same dosage 15 days later.
Citrus fruits (oranges, Persian lemons, grapefruit, tangerines, Mexican lemons)	1.0 - 1.5	Apply 15 days before flowering to ensure uniform flowering and increase fruit set. Repeat when petals fall and fruits are marble-sized.
Avocado and mango	0.5	With flower buds on cabbage
Blackberry and raspberry	2.0 - 5.0	Sprouting. Start of flowering and formation of the first fruit. Safety interval 8 days.
Strawberries	2.5	Crown formation. Start of flowering and formation of the first fruit. Safety interval 8 days.
Table grapes	1.0 - 6.0	To improve budding uniformity and vigor, as well as cluster structure depending on variety. Perlette, Flame, Thompson, and superior: Apply from green tip to 15 cm sprout.
Corn, sorghum, and millet	1.25	Apply when the crop has 6 to 8 leaves.

Technical Data Sheet



Pineapple	1.5 - 2.5	To improve fruit shape and weight, apply when the petals of the last third of the fruit are drying.
Rice, wheat, barley, and oats	2.5	To increase the number of sprouts, apply at the beginning of tillering using a high volume of water. To improve grain filling and quality, apply when the first third of the ear is exposed.
Coffee	2.0 1.5	To improve the vigor of new sprouts, apply after pruning at the beginning of sprouting. To improve fruit set, apply 15 days before flowering. To increase fruit size and uniformity, apply when the petals dry.
Flowers (chrysanthemums, roses, carnations, and poinsettias)	1.0	Induce lateral bud sprouting, apply at the beginning of sprouting or after debudding or "pinching." Improve weight and post-harvest life of species produced in bunches, apply immediately after debudding the apical flower.
Potatoes	1.0 - 1.25	To improve sprouting, apply at the time of planting. To improve stolons, apply by spraying at the beginning of this phenological stage and repeat 15 days later.
Legumes, green beans, and peas	1.25	To improve fruit formation, apply at the beginning of flowering. To improve pod and grain size, apply 15 days after the first application.