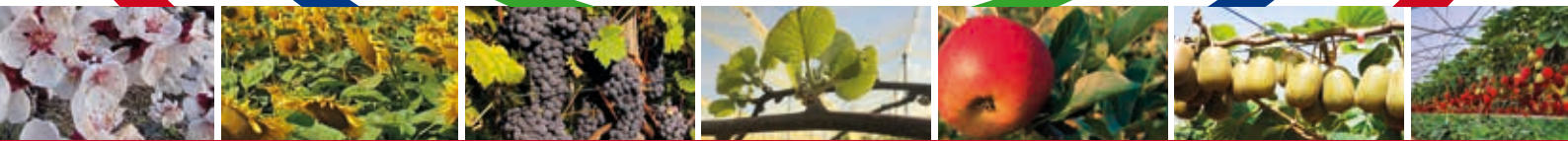


# CROPMAX<sup>®</sup>

natural plant nutrient supplement



[www.hollandfarming.com](http://www.hollandfarming.com)



## What is CROPMAX?

### Cropmax

CROPMAX is an organic bio-stimulant for foliar application. It contains growth promoting ingredients, such as protein chelated trace elements, polysaccharides, amino-acids and enzymes. CROPMAX is very concentrated. You only need to mix 1 litre CROPMAX with a sufficient amount of water (between 200 and 500 litre; depending on your sprayer) to spray 1 hectare.

When you spray CROPMAX on your crop, it will boost the growth of the plant at that specific moment. So when you want to boost root-setting, spray in early growth stages. If you wish more vegetative growth, spray when the leaf develops. And when more fruit is desired, spray ahead of fruit-setting.

The use of CROPMAX results in healthier plants, more production, better resistance against stresses and diseases, and better quality harvest (more brix, less damage).

### What is a bio-stimulant?

Plants need macro nutrients (nitrogen, potassium and phosphorus), minerals such as magnesium and calcium, and trace-elements (iron, zinc, manganese, boron, copper and molybdenum). Next to this, plants use hormones to regulate growth (auxin, gibberellin, ethylene and cytokinin). CROPMAX contains amino acids, that shift the balance in the hormonal activity towards growth. To support this boost in growth, manifest through metabolism, CROPMAX contains polysaccharides – for energy - and trace elements – as building material. Hence CROPMAX is NOT a fertilizer, NOR a plant protection product.

### What does CROPMAX do?

When sprayed in early growth stages, there will be an improved root-setting, enabling the plant to better withstand drought and absorb more available nutrients from the soil. When sprayed during vegetative growth, you will find a better, greener and more thriving plant. When sprayed before flowering and fruit-setting, you will find more flowers, developing into fruit. Also, you will find more uniformity in the development of fruit. Finally, when you spray when the fruit is developing, you can expect more dry matter in the fruit, an increased brix (sugar-content) and less vulnerability to fungus.

Control    Cropmax





### Polysaccharide

Polysaccharides are macromolecules composed of monosaccharide units linked by glycosidic bonds. Not only serve polysaccharides as a source for energy consuming plant-physiological processes, they also delay biodegradation of nutrients.



### Amino acids

Amino acids play many roles in plants, including acting as signal molecules, regulating root and shoot architecture, and regulating flowering time and stress defense. CROPMAX contains levo-type amino acids and are highly effective in low dosages.



### Iron

Iron is essential to metabolism in plant-growth. Iron is necessary for the synthesis of chlorophyll. Als trace elements are protein chelated.



### Boron

Boron is important for the cell membrane integrity and supports the transport of carbohydrates and energy within the plant.



### Enzymes

Enzymes are responsible for breaking down molecules in order to avail elements for plant-growth. Rhizobacteria, proteins and carbohydrates are synthesized through enzymatic processes.



### Zinc

Zinc, being an important element in enzymes, is essential for the synthesis of proteins and metabolic processes.



### Vitamines

Several water-soluble vitamin B's have an important function in root-growth of plants, specifically as antistress in roots. Vitamin C is antioxidant and plays a vital role in the cell structure (division and elongation).



### Magnesium

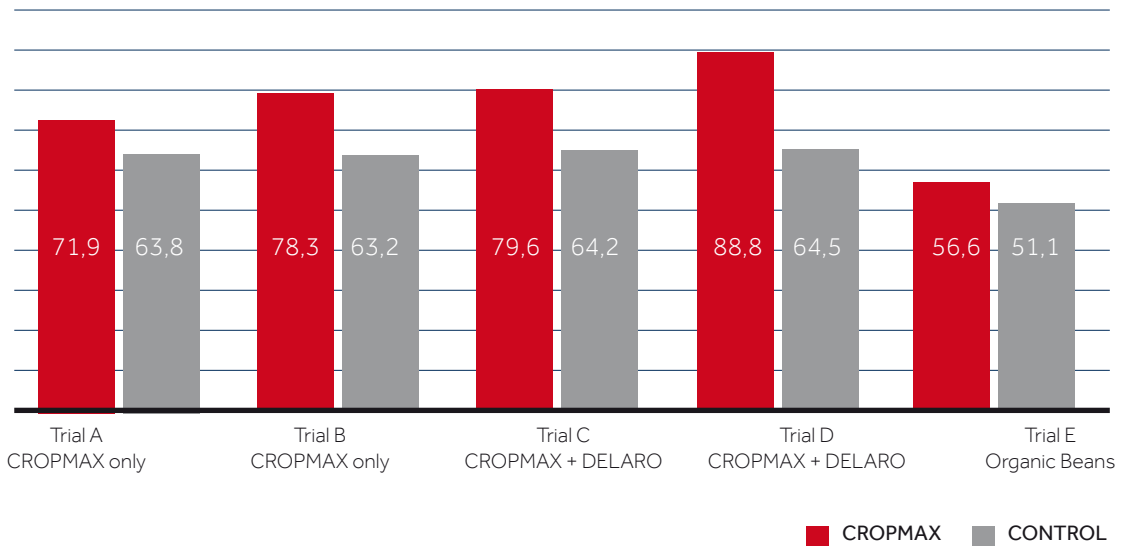
Is carrier of phosphorus, without which there is no respiration and photosynthesis. Magnesium is also important for the formation of proteins and supports metabolism.







## CROPMAX Trials - Illionois 2019



Control



Cropmax



CROPMAX trials in the USA show significant increase in harvest. It is applied in combination with a regular fungicide. The fertilizer applications remain unaltered in all trials, except organic production, where the production is lower, both with and without CROPMAX.



## Strawberry

Azienda Guerra Danilo for Ufficio Tecnico Apofruit ; fregola cv. « Brilla »

	repetition	1	2	Average	%
Control	brix	6,168	6,352	6,318667	100
	firmnes	940,8	903,82	949,4067	100
CROPMAX treated	brix	6,522	6,516	6,407333	101,4
	firmnes	1135,6	993,8	1039,733	109,5

Mwea - Kirinyaga County - Season 1		
Total of marketable yield of French beans		
Treatment	Dry matter per plant in gram	Percent of difference compared to standard fertilizer regime
Untreated control	10,4	-
Standard fertilizer regime	17,6	-
Standard fertilizer regime + CROPMAX @ 1L/Ha	22,8	29,6%
Standard fertilizer regime @ 50% + CROPMAX @ 1L/Ha	19,9	13,2%
Standard fertilizer regime + Mona fertilizer Feed @ 2L/Ha	21,2	20,5%



## Cocoa

Location	Yield per acre in kg and bags (64 kg)					
	Year 1 (2012/13)			Year 2 (2013/14)		
	+ CROPMAX	CONTROL	Δ (kg/%)	+ CROPMAX	CONTROL	Δ (kg/%)
Adasawasa	530	325	205	512	455	57
	(8 bags 18 kg)	(5 bags 5 kg)	63%	(8 bags 0 kg)	(7 bags 7 kg)	13%
Buabinso	797	565	232	1066	1059	7
	(12 bags 29 kg)	(8 bags 53 kg)	41%	(16 bags 42 kg)	(16 bags 35 kg)	1%
Bekawopa	217	380	-163	375	225	150
	(3 bags 25 kg)	(5 bags 60 kg)	-43%	(5 bags 55 kg)	(3 bags 33 kg)	67%
Mfuom	641	253	388	1566	365	1201
	(10 bags 1 kg)	(3 bags 61 kg)	153%	(24 bags 30 kg)	(5 bags 45 kg)	329%
Wirenkyiren	271	190	81	1181	310	871
	(4 bags 15 kg)	(2 bags 62 kg)	43%	(18 bags 29 kg)	(4 bags 54 kg)	281%
TOTAL	2.456	1.713	743	4.700	2.414	2.286
MEAN	491	343	149	940	483	457

## DIRECTIONS for USE

CROPMAX is applied by spraying the leaves. The active ingredients are absorbed by the pores. Therefore do not spray during hot temperatures. For the best effect, we advise to spray in the morning or late afternoon.

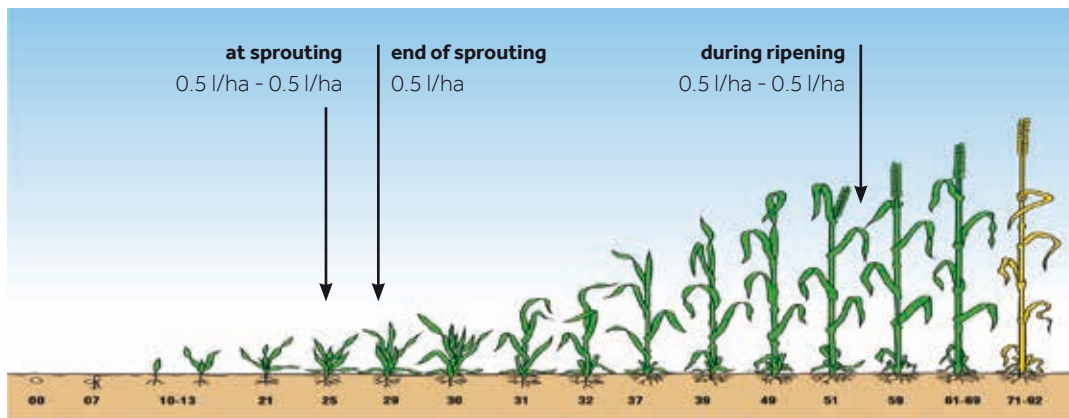
CROPMAX is a bio-stimulant and must therefore always be used next to normal fertilizers.

Depending on the desired effect, spray during root formation – for better rootgrowth -, before flower- and fruit-setting – for more flowers and fruit – and after fruit-formation – for better quality fruit (brix and dry matter weight). Use of CROPMAX increases the harvest, enhances resistance to stresses and diseases and improves the quality of the production.

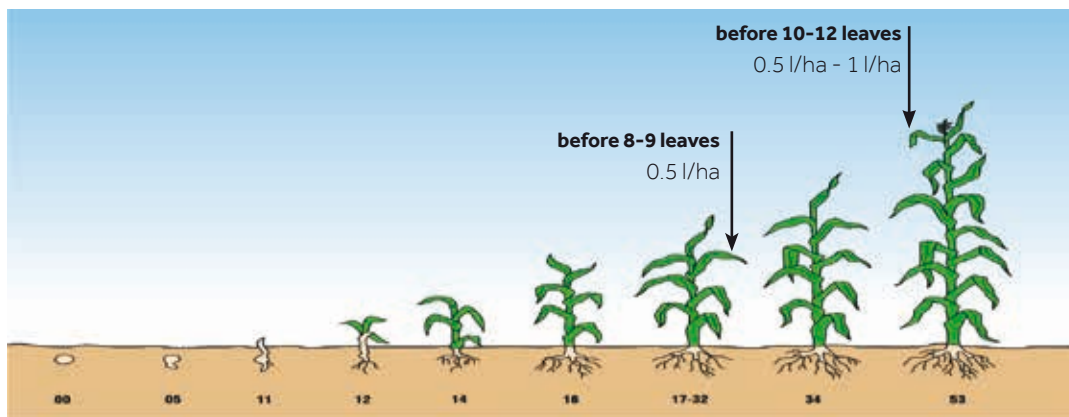
Mix 1000 ml CROPMAX with a sufficient amount of water to spray 1 ha. The amount of water used to dilute CROPMAX depends on the sprayer. Fine sprayers (e.g. fogging systems) use 150 ltr/ha, whereas backpack sprayers use 500 ltr/ha.

CROPMAX is not a solution, but a suspension; shake the bottle or can before use. Finish the diluted CROPMAX-mix within 24 hours.

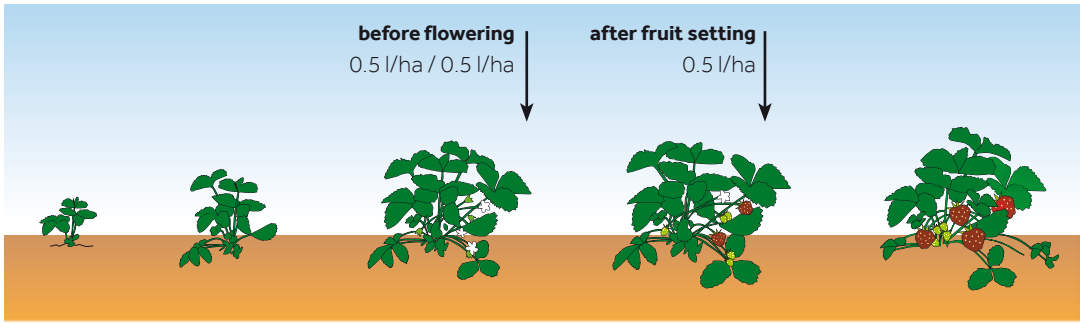
Other directions for crops, not mentioned here, are available upon request and on [www.hollandfarming.com/cropmax](http://www.hollandfarming.com/cropmax)



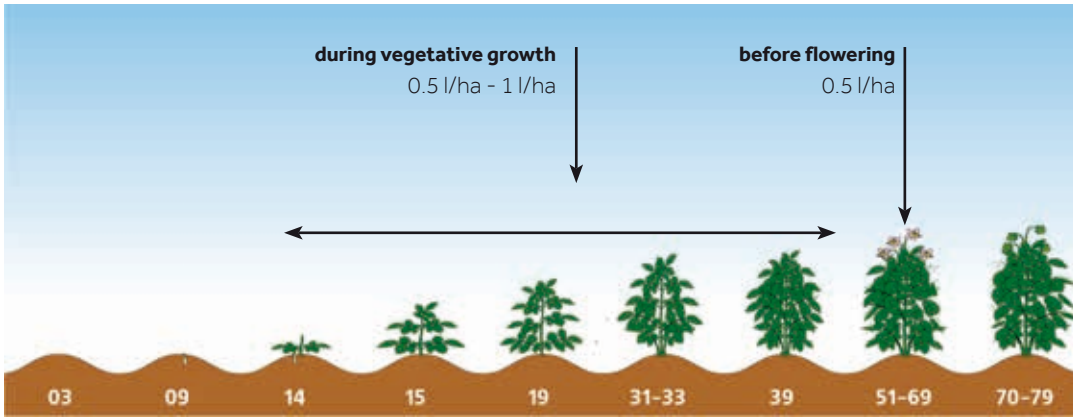
WHEAT



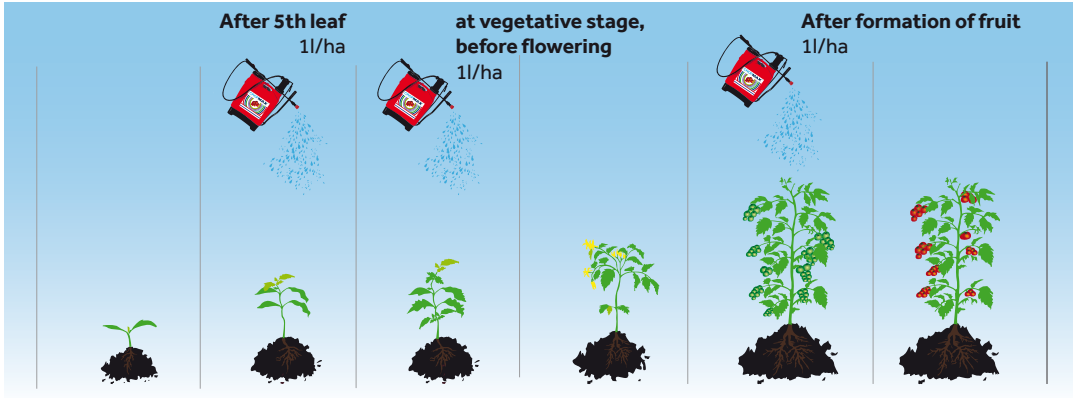
CORN



STRAWBERRIE



POTATO



TOMATO

# CROPMAX®



CROPMAX is an organic product, made from vegetal raw materials. As such, it is suitable for organic farming and recognized as an organic agro-input by certifying institute KIWA/BCS Öko Garantie from Germany. For EU regulation (EC) no. 889/2008 Annex II, as well as USA (USDA/NOP-Final Rule) and Japan (Notification N. o. 1605, Tabel 1).