

# FITOFERT



## CATALOGUE



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SINCE 2018. PROUD  
OWNER OF QUDAL MEDAL



We are proud to announce that FITOFERT products, based on the research of the independent certification agency, took the first place in the category of liquid fertilizers, ICERTIAS - International Certification Association GmbH - Switzerland, in the territory of the Republic of Serbia and the Republic of Bosnia and Herzegovina.

Based on this acknowledgment, our FITOFERT liquid products are awarded QUDAL medal quality. We are thankful for the confidence that our customers have placed in us and recognized FITOFERT Liquid Fertilizers as the highest quality brand in the great competition of foreign products. This recognition obliges us to constantly work on the quality and improvement of existing as well as on the development of new products.

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# LEGENDA



# AGRO SERVICE

Agro Service, founded in 2010, is a new concept for launching FitoFert fertilizers. In cooperation with our distributor Agromarket, we offer a number of after-sales service to our customers. In this way we make the most complex part of intensive agriculture, correct plant nutrition accessible to our customers. The service includes analyses, expertise, recommendations and is primarily focused on vegetable and fruit growers. By buying FitoFert fertilizers, our customers get professional advices and recommendations from Agro Service.

Agronomists with years of experience in the production of vegetables and fruits, equipped with modern equipment for field testing of soil, irrigation water and plant tissues, are able to directly determine the parameters of the field on which to create recipes for plant nutrition and growing technology. Our intention is to ensure that this type of service provides our customers with the most optimal and the most cost-effective production. Also, our aim is to increase our customers' yield quality and quantity by giving them professional advices.





# CRYSTAL FERTILIZERS



# CRYSTAL NPK FERTILIZERS

A complete range of water soluble mineral fertilizers, adapted to different phenophasesof plants, from rooting stage to pigmentation and ripening. Fertilizers are formulated from high purity raw materials, which provide fast and easy dissolving. They are designed for complete plant nutrition by nutritive solutions or supplementary foliar application. Applied in fertigation, working concentration is up to 0,1% ( 1 kg per 1000 litres of water), while in foliar application, the concentrations range from 0,3 - 0,5% (300-500 grams per 100 litres of water).

**FITOFERT KRISTAL 10:40:10+ME** is a high-phosphorus fertilizer, designed for fast and even rooting. The high level of phosphorus stimulates regular growth of the root system, and initiates formation of plant reproductive system.

**FITOFERT KRISTAL 20:20:20+ME** is a balanced formulation of NPK fertilizers. It is applied in fertigation after using starting fertilizers to stimulate flower bud formation as well as vegetative growth. In foliar nutrition, it is a universal product for treatment of numerous plant cultures.

**FITOFERT KRISTAL 24:6:10+ME** is a formulation with high nitrogen content, designed primarily for vegetative growth development. Applied in fertigation, it is mainly used for leafy vegetable crops, to stimulate vegetative growth and development. Foliar application of this fertilizer is recommended for cultures with high nitrogen assimilation, such as corn, cucumber, salads.

**FITOFERT KRISTAL 4:10:40+3MgO+ME** has a high content of potassium sulphate as well as low content of nitrogen, which stimulates ripening and pigmentation of crops. The presence of sulphur makes this formulation adequate also for nutrition of onion and crucifers. It is applied in fertigation prior to beginning of pigmentation, and foliar application can occur in all cases demanding supplementary potassium.



Properties/ (Content %)	pH (0.1%)	EC (0.1%)	N	N-NH <sub>2</sub>	N-NO <sub>3</sub>	N-NH <sub>4</sub>	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	MgO	S	Fe	Mn	Zn	Cu	B	Mo
F.K. 10-40-10	4.10	0.97	10		2	8	40	10			0.04	0.04	0.015	0.015	0.02	0.008
F.K. 20-20-20	4.2	0.83	20	10.2	5.8	4	20	20			0.04	0.04	0.01	0.015	0.05	0.008
F.K. 24-6-10	3.95	1.37	24		13	11	6	10			0.04	0.04	0.015	0.015	0.02	0.008
F.K. 4-10-40	3.95	1.26	4		4		10	40	3	8	0.04	0.04	0.015	0.015	0.02	0.008

# CRYSTAL NPK SPECIAL FERTILIZERS

A range of crystal specialised formulations, designed for complete fertigation of certain plants (fruit and vegetables) , from formation and swelling of fruit to pigmentation and ripening stages. In addition to balanced NPK content and presence of micronutrients, all fertilizers in this series contain optimum quantities of magnesium (Mg) and sulphur (S), necessary for regular growth and development of fruit and vegetables. On the basis of expected yield and crop conditions, optimum fertilizer quantities are recommended. Fertilizers are applied in fertigation, through nutritive solution. The concentration in working solution is 0,1% (1 kg per 1000 litres of water).

**FITOFERT KRISTAL TOMATO 12.5:6:31+4MgO+ME** is a fertilizer for nutrition of tomato crops both in open field and green houses. Balanced ratio of micronutrients, as well as secondary magnesium enable optimum nutrition in all phenophases of growth, all the way from transplanting to ripening.

**FITOFERT KRISTAL MELON 14:7:28+3.5MgO+ME** is a fertilizer for nutrition of cucumber, gherkin, watermelon, melon and zucchini crops, both in open field and green houses. This formulation is used from blooming to harvesting.

**FITOFERT KRISTAL PEPPER 11:7:33+4MgO+ME** is a fertilizer for nutrition of pepper crops, both in open field and green houses. Balanced ratio of macronutrients, as well as secondary magnesium enable optimum nutrition in all phenophases of growth, after transplanting towards ripening. In red peppers, the formulation should be applied until beginning of pigmentation.

**FITOFERT KRISTAL BERRY 14:8:30+2MgO+ME** is a fertilizer for nutrition of berries (strawberry, raspberry, blackberry, blueberry and other) both in open field and in green houses. This formulation is fully adapted to these plant cultures, offering optimum quantities of nutrients during phases of growth, formation of fruit and ripening.

**FITOFERT KRISTAL UNIVERZAL 14:8:28+2MgO+ME** water soluble NPK fertilizer with magnesium and other micronutrients. It is applicable for fruit orchards and vegetable crops. Optimal period for application is from fruit set till fruit coloration. The formulation of this fertilizer provides universal solution for nutrition of vast number of deferent cultivated plant species.



Properties/ (Content %)	pH (0.1%)	EC (0.1%)	N	N-NO <sub>3</sub>	N-NH <sub>4</sub>	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	MgO	S	Fe	Mn	Zn	Cu	B	Mo
FITOFET TOMATO	3.90	1.27	12.5	10	2.5	6	31	4	2.5	0.04	0.04	0.015	0.015	0.02	0.008
FITOFET MELON	3.95	1.29	14	10.5	3.5	7	28	3.5	2.5	0.04	0.04	0.015	0.015	0.02	0.008
FITOFET PEPPER	3.90	1.27	11	9.5	1.5	7	33	4	2.5	0.04	0.04	0.015	0.015	0.02	0.008
FITOFET UNIVERZAL	4.10	1.2	14	8.5	5.5	8	28	2		0.03	0.03	0.03	0.01	0.03	0.01
FITOFET BERRY	3.90	1.30	14	10.5	3.5	8	30	2		0.04	0.04	0.015	0.015	0.02	0.008







# ONE AND TWO-COMPONENT CRISTAL FERTILIZERS

**FITOFERT KRISTAL MKP 0-52-34** is two-component, water soluble PK fertilizer with high content of phosphorous and potassium. It is favorable for plant nutrition in initial phases of growth and work of plant root system, until flowering. This fertilizer is compatible with other water soluble fertilizers and it can be applied by fertigation in concentration 0,1%. It can be used by foliar treatment too, solely or in combination with other fertilizers or with products for plant protection.

**FITOFERT KRISTAL N-FOS 12-61-0** is two-component, water soluble NP fertilizer with high content of phosphorous and low content of nitrogen in ammonia form. It can be used in initial stages of plant growth, during root development and initial work of root system. Fertilizer is applicable until flowering, solely or with other fertilizers for fertigation. Concentration of application 0,1%.

**FITOFERT KRISTAL K-NIT 13-0-46** is two-component, water soluble NK fertilizer, with high content of potassium and low content of nitrogen in nitrate form. It is intended for fertigation application. Time for application is from fruit set phase until one month before harvest. This fertilizer is compatible with other water soluble fertilizers so it can be used solely or in combination, in concentration 0.1%..

**FITOFERT KRISTAL K-SUL 0-0-50** is one- component, water soluble potassium fertilizer with high content of potassium and secondary element sulphur. It is suitable for nutrition in late stage of vegetation, from fruit coloration till harvest and during harvest. This fertilizer is compatible with other water soluble fertilizers so it can be used solely or in combination, in concentration 0.1%.

**FITOFERT KRISTAL Ca-NIT 15-0-0+25,5 CaO** is one-component nitrogen fertilizer, with high content of nitrogen in nitrate form and secondary element calcium. Fertilizer is used in early stages of vegetation, starting from flowering, fruit set, until fruit coloration. It should be used solely or in combination by dosing from a separate tank. This fertilizer is not compatible with products that have sulfates or phosphates. Application concentration 0.1%.

**FITOFERT KRISTAL Mg-SUL 30** is water soluble fertilizer, based on secondary elements magnesium and sulphur. It can be included in regular plant nutrition or when deficiency of magnesium is observed. High concentrated magnesium and sulphur are in anhydrous form. During solution preparation constant mixing is required for complete dissolution. This fertilizer is compatible with other water soluble fertilizers so it can be used solely or in combination, in concentration 0.1%.



Properties/ (Content %)	pH (0.1%)	EC (0.1%)	N	N-NH <sub>4</sub>	N-NO <sub>3</sub>	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	MgO	CaO	S	SO <sub>3</sub>	B
FF MKP	5.4	0.7				52	34					0.05
FF N-FOS	5.3	0.9	12	12		61						0.06
FF K-NIT	6	1.3	13		13		46					0.06
FF K-SUL	5.5	1.5					50			15		0.06
FF Ca-NIT	6	1.2	15	1.2	13.8				25.5			0.05
FF Mg-SUL 30	7	1.2						30			54	





# LIQUID NPK FERTILIZERS





# FITOFERT HUMISTART

for development of the root system

**FITOFERT HUMISTART 4:12:5** is an organic mineral bio-stimulative fertilizer in the form of suspension concentrate with high content of PHOSPHORUS, HUMIC, FULVIC AND AMINO acids, enriched with ALGAE extract and MICRONUTRIENTS. This preparation is an ideal solution for production of crops and early phases of plant development after transplanting, especially under stress conditions. The action mechanism of this fertilizer is based on synergy of NPK substances and present biostimulative components. These organic substances of natural origin stimulate a whole range of positive biochemical processes in plant cells, they improve feed assimilation and make crops more vital and resistant to stress and diseases.

**Application:** Fertigation concentration 0,1 - 0,3% and foliar concentration 0,3 - 1%.  
**Package:** 250 ml, 1L, 5L and 10L.



Element	pH (0.1%)	EC (0.1%)	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	HA*	AA*	EA*	Fe	Mn	Zn	Cu	B	Mo
Content %	7.3	0.4	4	12	5	3	2	5	0.04	0.04	0.015	0.015	0.02	0.008

HA-Humic acid, AA-Amino acid, EA-Algae extract



# FITOFERT HUMISUPER PLUS

for intensive growth

**FITOFERT HUMISUPER PLUS 8:4:8** is a fertilizer in the form of suspension concentrate which beside organically active components, contains humic and fulvic acids, as well as carbohydrates, betaines and lignosulphonates. Compared to the older version of this preparation (HUMISUPER 10: 5: 10), HUMISUPER PLUS contains an increased number of microelements and a reduced content of NPK elements, what results a better solubility of the product at low temperatures. Organic matter of natural origin stimulates a series of positive biochemical processes in plant cells, increases nutrient assimilation and makes crops more vital and more resistant to stress and disease. The conducted experiments confirmed the exceptional efficacy of this preparation, stress control and increased yield.

**Application:** Foliar application product with various preparations for plant nutrition. Applied dose per treatment is 3 - 5 litres/hectare.  
**Package:** 250 ml, 1 lit, 5 lit i 10 lit.



Element	pH (0.1%)	EC (0.1%)	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	HA*	AA*	OS*	Fe	Mn	Zn	Cu	B	Mo
Content %	7	0,4	8	4	8	2	2	2	0.04	0.04	0.015	0.015	0.02	0.008

HA-Humic acid, AA-Amino acid, EA-Algae extract

# FITOFERT LIQUID 12:4:6

for the rapid growth

**FITOFERT LIQUID 12:4:6** jis a liquid foliar fertilizer based on macro and micro elements, designed for nutrition of a plant at the time of intense growth and fruit formation It is used for nutrition in vegetable crops, orchards, vineyards and arable crops. It successfully stimulates the leaf expansion as well as forming and growth of the fruit. High concentration of urea nitrogen in synergy with microelements gives stimulating effect to the cultivated plants. The preparation is also suitable for use with foliar, selective product herbicides, based on the sulfonyl-urea.

**Application:** Foliar conc. 0.3% - 1%.  
**The packaging:** 250 ml, 1L, 5L and 10L.



Element	pH (0.1%)	EC (0.1%)	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Fe	Mn	Zn	Cu	B	Mo
Content %	6.8	0.2	12	4	6	0.02	0.02	0.007	0.007	0.01	0.004





# BIO- STIMULATIVE FERTILIZERS





# FITOFERT AMINOMAX 80

## biostimulator

**FITOFERT AMINOMAX 80** is a fertilizer in the form of water soluble powder, with high content of essential L-amino acids, designed for successful defence against stress conditions as well as for plant recovery from stress conditions, caused by high or low temperatures. The product has been formulated from amino acids (L-isomer) of plant origin, provided by enzymatic hydrolysis. Positive effects of amino acid activity are multiple: chelation of micronutrients and their more intensive transport through conducting vessels, synthesis of phytohormones, pollination and fertilization. It should be used before appearance of stress condition. The product is compatible with all foliar fertilizers.

**Application:** Fertigation or foliar application before appearance of stress.  
**Package:** 200g and 1kg.



Element Content %	pH (0.1%)	EC (0.1%)	N	Total amino acids
	4.6	0.3	14	80%



# FITOFERT AMINOFLEX

## biostimulator

**FITOFERT AMINOFLEX** is a specialized biostimulative fertilizer based on free amino acids. It is used in early development phases, as well as under stress conditions (cold, high temperature, damage). It is characterised by exceptional antistress activity, as well as by stimulation of enzyme activity and regulation of plant nutrition. Amino acids contained in this preparation successfully relieve stress symptoms. Production of amino acids under stress conditions is considerably lower, and application of Aminoflex compensates for their deficiency. Besides, amino acids take part in building cell structures, chlorophyll synthesis, opening of stomata, fertilization and multiple enzyme processes.

**Application:** Foliar concentration 0,2-0,3%, i.e. quantity of 2-3 lit/ha with expense of 1000 lit of water, or fertigation application in quantities of 5-10 lit/ha, for treatment during stress.  
**Package:** 250 ml, 1 lit, 5 lit and 10 lit.



Element Content %	pH (0.1%)	EC 0.1%	N	Free amino acids
	8	0.15	5	15

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# FITOFERT BIOFLEX-L

## universal biostimulator

**FITOFERT BIOFLEX-L** is a new generation biostimulative fertilizer, in the form of suspension concentrate. It has been formulated from components of natural origin, algae extracts, amino and organic acids. The product is designed for foliar application and it should be applied at the beginning of vegetation and formation of fruits. It successfully neutralises or mitigates the activity of various stress factors (cold, drought, damage, pesticides). FITOFERT BIOFLEX-L activates production of plant hormones, which has a positive influence on yield, quality of the fruits, even fruit size, plant longevity and transportability.

**Application:** Application is foliar, in fruit and vegetable crops from beginning of vegetation, every 15-20 days. In fruit, treatments after harvesting should be practised, which influence intensive differentiation of flower buds. Applied dose per treatment is 2-3 lit ha.

**Package:** 250 ml, 1 lit, 5 lit.



Element	pH (0.1%)	EC (0.1%)	N	K <sub>2</sub> O	C
Content %	8.7	0.3	3	4	>4

# FITOFERT BIOFLEX-P

## universal biostimulator

**FITOFERT BIOFLEX-P** is a new generation biostimulative fertilizer, in the form of water soluble powder. Like liquid FITOFERT BIOFLEX-L, this product is characterised by expressive synergy of active substances, resulting in higher yield, better quality and even sized fruits. Contrary to liquid product, this preparation has been designed primarily for fertigation, when it is not advisable to use the liquid foliar. It successfully neutralises or relieves symptoms of different stress factors (cold, drought, damage, pesticides).

**Application:** Fertigation in fruit and vegetable crops from beginning of vegetation, every 15 - 20 days. Quantity per applied treatment 1 - 1,5 kg/ha.

**Package:** 200 g and 1 kg.



Element	pH (0.1%)	EC (0.1%)	N	K <sub>2</sub> O	C
Content %	8	0.6	2	15	>8



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# FITOFERT SPEED

for corn crops

**FITOFERT SPEED** is a preparation designed primarily for treatment of corn crops. Its active organic components, together with B and Zn, have a favourable effect on the following physiological processes: higher resistance to stress, stimulation of the root system growth, intensified metabolism, feed assimilation, intensified photosynthesis. In addition to organic substances, microelement zinc affects nitrogen absorption and metabolism, while boron affects the growth of pollen grains and fertilization.

**Application:** Application is foliar, repeated two to three times, in the following development stages: V1-V3 (4-8 leaves) - 2,5 lit/ha, V5-V7(12-16 leaves) - 2,5 lit/ha, VT (prior to tasseling stage, using high clearance sprayers) - 3,5 lit/ha. This preparation is used in combination with plant protection products.

**Package:** 250 ml, 1 lit, 5 lit and 10 lit.



Element	pH (0.1%)	EC (0.1%)	N	K <sub>2</sub> O	OS*	AA*	Zn (EDTA)	B
Content %	8	0.1	5	2	11	2	0.5	0.5

AA-Amino acid, OS-Oligosaccharides



# FITOFERT SPEED-G

for cereal crops

**FITOFERT SPEED-G** is liquid biostimulative fertilizer, intended for foliar treatment of cereals (wheat, oat, barley) together with early treatments with herbicides. Bioactive components (amino acids, oligosaccharides, vitamins, and other organic molecules) in synergy with microelements, have positive effects on many physiological processes in cereals crops. This product contains high amount of chelate copper (Cu), which is very important component of plant's metabolism. Besides nutritive importance, chelate copper has reducing effect on diseases that are caused by fungi.

**Application:** Foliar, 1-2 treatments. First fertilizer treatment can be combined with herbicides treatment when the first node appears. Second treatment can be applied with fungicides and insecticides in the beginning of heading, when tip of inflorescence emerges from sheath. Amount of application 2,5-3 l/ha.

**Pakovanja:** 200g and 1 kg.



Element	pH (0.1%)	EC (0.1%)	N	K <sub>2</sub> O	C	Zn (EDTA)	Mn (EDTA)	Cu (EDTA)
Content %	7,8	0.2	5	2	>4	0.1	0.3	1

# FITOFERT SPEED-S

for soybean, sunflower and rapeseed crops

**FITOFERT SPEED-S** is formulation for soybean, sunflower and rapeseed crops treatment. Product contains micronutrients which are important for this kind of plants, but also bioactive components which have stimulative effects on physiological processes. Absorption of micronutrients is difficult in soils with high pH, but also can be reduced due to cold weather. With this product that obstacle can be overcome, so the crop can have faster development of root and shoot.

**Application:** In rapeseed crops fertilizer should be applied with autumn sowing. It is recommended to apply it two times more, after germination and during development of leaf mass. Treatments should be done at temperature above 8°C. In spring one more treatment should be applied. Treatments in soybean and sunflower crops can be combined with herbicide treatments. Treatment dosage should be 2,5-3 l/ha.

**Packaging:** 200g and 1kg.



Element	pH (0.1%)	EC (0.1%)	N	K <sub>2</sub> O	C	Zn (EDTA)	Mn (EDTA)	Cu (EDTA)	B	Mo
Content %	8	0.2	5	2	>4	0.3	1	0.3	0.5	0.5





# RESISTANCE STIMULATORS



180 pts

19

05

58

05

58

X

75

SPD





# FITOFERT QUATRO

## for stimulating plant vitality

**FITOFERT QUATRO** Liquid product with multiple effect on crops. Formulation is based on different forms of Potassium salts (inorganic – phosphite, silicate and organic-carboxilate and lignosulphonate). Foliar application at early stage of crops, provide beneficial effects, related to crops vitality and growth. Product contains high concentration of potassium in synergism with few mineral and organic anions. This combination of different active ingredients, influence multiple biochemical reactions in plant cells. As the result, plants are induced with systemic resistance to many pathogen diseases.

Product is applied on foliar or fertigation way, solo or with other fertilizers and plant protection products.

Application, first half of vegetation.

- Young transplants, dipping container in 0,1% solution, before transplanting.
- Fertigation, with rate of 2 to 3 lit/ha. Treatment 2 to 3 times, every 3 weeks.
- Foliar application at rate 1-2 lit/ha or concentration 0,2 to 0,5 %.



Element	pH (0.1%)	EC (0.1%)	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Fe	Mn	Zn	Cu	B	Mo
Content %	6-8	0.1	25	20	0.03	0.03	0.03	0.01	0.02	0.01

# FITOFERT K-COMPLEX 20

## for stimulating plant vitality and fruit quality

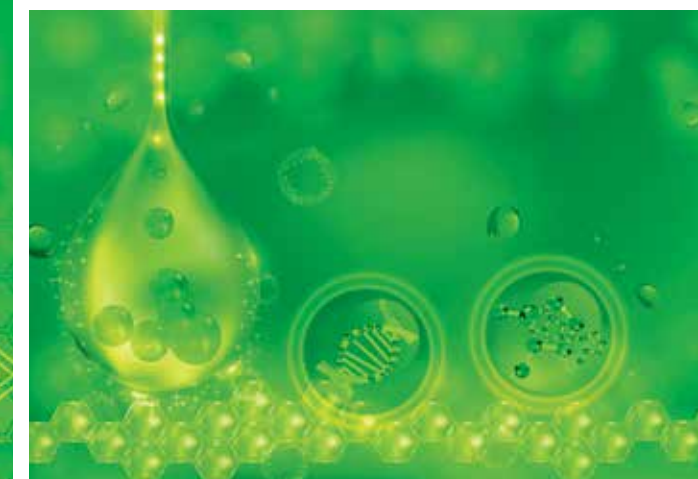
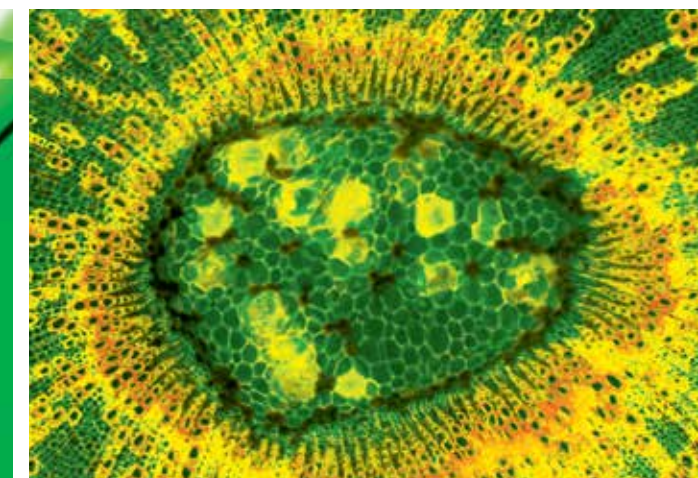
**FITOFERT K-COMPLEX 20** Liquid product with high concentration of organic bonded Potassium. Product is dedicated for foliar or fertigation application of fruits or vegetables, at late stage of vegetation and growth, during maturation and coloring of fruits. Organic bonded potassium, it is easily absorbed by plants, and and influence quick transport of sugar, acids and other molecules to the fruits. After treatment osmotic balance, in fruit is stabilized, and product is useful as prevention of cracking, which may occur in high rain season or higher irrigation rates. There is no carenca of product, so fruits are safe for picking after treatment. Also treated fruits are with longer shelf life, and more resistant to storage pathogens.

Application,second half of vegetation.

- Fertigation, with rate of 5 to 10 lit/ha. Treatment 2 to 3 times, every 2 weeks.
- Foliar application at rate 3 to 5 lit/ha or concentration 0,5 to 1 %.



Element	pH (0.1%)	EC (0.1%)	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Fe	Mn	Zn	Cu	B	Mo	C
Content %	6-8	0.1	2	20	0.03	0.03	0.03	0.01	0.02	0.01	>4



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# SECONDARY MICRO NUTRIENT FERTILIZERS







# MICRO NUTRIENT FERTILIZERS BASED ON CALCIUM

## for yield quality

Calcium is an essential nutrient and has an important role in several physiological processes, such as: cell growth and development, building and strengthening of the cell wall, metabolic processes and activation of feed absorption as well as hormonal control of enzyme activity. Calcium regulates the function of stomata and alleviates temperature stress. It also induces plant resistance to pathogens. The quantity of absorbed calcium in vegetables and fruit influences not only the yield, but also the quality, longevity and transportability of fruits. Certain plant species are very sensitive to calcium deficiency, manifested mainly on fruits, which drastically reduces their quality and price. Therefore, a timely treatment of crops is often necessary with one of the selected fertilizer formulations based on calcium.

**FITOFERT CALCIUM ORGANO 30** is a preparation in the form of water soluble powder, with maximum 30% of CaO. It gives the best results with foliar application in small fruit crops (raspberry, strawberry, blackberry, blueberry) and vegetable crops (tomato, pepper, cucumber). This fertilizer is characterised by low EC, which does not damage plant mass during frequent treatments. Application: foliar concentration 0,3%-0,6%.

**FITOFERT MAGNI-CAL B** New formulation of foliar fertilizer, based on mutual synergy of Calcium, Magnesium and Boron. This combinations of secondary nutrients (Ca and Mg) with micro-element Boron is ideal for foliar treatment of different types of fruit or vegetable crops, from early stage of vegetation, till time of fruit coloring. The ratio between secondary nutrient and presence of Boron, guarantee quick absorption and transport of nutrient to the fruit tissue. Concentration for foliar treatment is from 0,2 to 0,5%, or 2 to 3 lit/ha, with 4 to 6 application in season.

**FITOFERT CAL-AMINO 15** is a liquid foliar fertilizer based on calcium and amino acids, designed for treatment of apple and pear crops in the phase after formation of fruit until the start of pigmentation. Its application enables longterm absorption of calcium through surface of leaf and fruit, as well as better transportability through plant tissues to cell walls. Crops should be treated at temperatures lower than 25 °C. Application is foliar, quantity of 3-5 litres per hectare.

**FITOFERT Ca-APPLE** is a liquid foliar fertilizer based on calcium chlorid. Its designed for treatment of apple and pear crops in the phase of fermentation until the start of harvest. Crops should be treated at temperatures lower than 25 °C. Application is foliar, quantity of 3-5 litres per hectare.



Proizvod / element (sadržaj %)	pH (0.1%)	EC 0.1%	N	CaO	C	Zn	Mn	Fe	Cu	B	Mo	MgO
FF. Ca Organo 30	6.5	0.9	2	30	8							
FF. Magni-Cal B	3-6	1	10	15		0.03	0.03	0.03	0.01	0.2	0.01	2
FF Cal-Amino 15	7	0.8		15		0.6	0.6					
FF Ca-APPLE	6.9	0.8		17								

# FITOFERT MG-MAX

## for chlorophily synthesyis

**FITOFERT MG-MAX** Water soluble product, with high concentration of water soluble Mg bonded in organic chelate form. Magnesium is one of of secondary nutrients, and it is crucial for chloro file syntheses. In the condition of high pH (>7) of soil, and irrigation water, and due to antagonism with K and Ca cations, magnesium deficiencies often occurs. In those cases application of chelated magnesium is the only option for maintaining crop potential yielding. In this product, Mg is protected of different interaction, with other molecules, and anions. It is well absorbed by plant tissue, and easily transported to the chloroplast, where is being transformed to chlorofil. Application during all vegetation.

- Fertigation, with rate of 3 to 5 kg/ha per treatment. Treatment 3 – 6 times, every 3 weeks.
- Foliar application at rate 2 to 4 kg/ha or concentration 0,2 to 0,5 %. Treatment 3 to 5 times, every 2 weeks.



Element	pH (0.1%)	EC (0.1%)	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	MgO	C
Sadržaj %	3	0.6	5	3	7	>8







# BORON BASED FERTILIZERS

## for enzyme functions

Boron is a microelement with many functions in important processes such as vitamin synthesis, cell wall building, germination of pollen grains, sugar assimilation. Boron deficiency can cause many anomalies in crops reflecting in reduced fertility, rotting of root crops, uneven fruits or poor sugar assimilation. Fertilizers based on boron are used for fruit and vegetable crops, and also for crop farming (sugar beet, soybean, sunflower). Application quantities depend on the type of the plant, time of application and soil quality. For each of the given crops, recommended quantities for application are given in the tables.

For these products we recommend that:  
In fruits orchards two treatments should be carried out. The first treatment before blooming, to stimulate pollen grains growth and to induce better flower fertilization. The second treatment apply after harvest, so plants can accumulate boron which will improve their resistance towards winter low temperatures.  
In vegetable crops we recommend one treatment before flowering.  
In husbandry crops, usage of these products is highly advisable in crops sensitive to boron deficiency such as soybean, sunflower, rapeseed and sugar beat. Treatments can be carried out together with pesticide treatment.

**FITOFERT BORMAX 20** is a fertilizer in the form of water soluble powder designed for foliar treatment of crops with higher boron assimilation, or on soils deficient in boron. It contains a high concentration (20%) in the form of easily accessible boron anion. Due to high concentration, application dose is 1.0 kg/ha in crops and seedlings.

**FITOFERT BOR-AMIN 150** is a liquid formulation of boron etanolamin of high concentration 10,7%, which corresponds to the content of 150 gr of pure boron per litre of the preparation. The product is very convenient for use in fruit crops as well as sugar beet. Application doses are from 1-2 litres per hectare.

**FITOFERT LIQUID BOR 8** is a liquid formulation in the form of a concentrate suspension based on microelementary boron. Containing 8% of boron in the anionic form, that is, 115 grams of boron per liter of product. Micro-elementary boron containing excipients that allow better penetration and transport of boron.



Product/element (content %)	B	pH (0.1%)	EC 0.1%
FF BOR MAX 20	20	8.5	0.3
FF BOR-AMIN 150	10,8	8.9	0.2
FF LIQUID BOR 8	8	8.9	0.2

# IRON BASED FERTILIZERS

**FITOFERT FERRO MAX 11** is a fertilizer based on iron chelate in the form of DTPA complex. It is a highly concentrated source of iron, stable in the pH range 3-8. Due to its easy solubility, it is convenient for all types of application, foliar or fertigation. Fertigation is applied in all plant cultures where it is possible to control pH of irrigation waters and where pH value of soil does not exceed 7,5. It is compatible with all acid fertilizers and plant protection products, except for alkaline copper preparations.  
**Application:** Folijarno konc. 0.2% - 0.3% i fertigaciono u količinama 10 do 20 kg/ha, u više navrata. **Package:** 200 g, 1 kg and 5 kg.



**FITOFERT FERRO CHELL 6** is a complex of divalent iron in EDDHA chelate. It is applied as prevention as well as for correction of iron deficiency in different crops. This preparation makes up for iron deficiency in the shortest period of time, so that changes on leaves can be noticed as soon as 2 -3 days after treatment. The preparation is active in a broad pH range, from 3-10, so that it can be applied even in carbone soils and irrigation waters of high pH value.  
**Application:** Fertigation only, in quantities of 10-20 kg/ha, several treatments. **Package:** 200 g, 1 kg and 5 kg.



Product/ element (content %)	pH 0,1%	EC 0,1%	Fe	Usage
Ferro Max 11	3.3	0.3	(DTPA) 11%	fertigaciona-folijarna
Ferro Chell 6	8	0.5	(EDDHA) 6%	fertigaciona

# FITOFERT AMINO COPPER 8

## for enzyme function

**FITOFERT AMINO COPPER 8** is a product based on organic complex of copper with, gluconic, lignosulphonates and EDTA acids. The product is intended for preventing and curing Cu deficiencies in different crop types, especially wheat and other Cu sensitive crops. Copper metabolism is connected to synthesis of lignin, photosynthesis process, carbon hydrate synthesis. Deficiencies are usually present on high pH soils (pH>7).

Beside the nutrition effect, FITOFERT AMINO COOPER 8 improves resistance of crops to some pathogenic diseases (fungal or bacterial). The product has a strong preventable effect to different diseases.  
**Application:** Foliar with concentration 0,1 to 0,15%.  
**Package:** 250 ml to 1 lit.



Element Content %	pH (0.1%)	EC 0.1%	Total Cu	Cu-gluconate	Cu-EDTA	Cu-lignosulfonat
	4.7	0.2	8	5	2	1







# FITOFERT MANGAN ORGANO 12

## for enzyme function

**FITOFERT MANGAN ORGANO 12** is the fertilizer based on micro elementary manganese EDTA complex, wit of active substance. The composition is formulated in the form of a watersoluble powder. Manganese plays a significant role in the process of photosynthesis, water splitting reactions, binding and assimilation of nitrogen. Symptoms of deficiency are usually manifested in the form of necrosis (bleach) at peak foliage. The product is best used preventively, with foliar treatments or by fertigation.

**Application:** Foliar concentration of 0.2 to 0.3% and by fertigation in quantities of 10 to 20 kg / ha, several treatments.

**Package:** 200 g, 1 kg and 5 kg.



Element Content %	pH (0.1%) 7.4	EC 0.1% 0.4	Mn (EDTA) 12	Usage Fertigation/foliar
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# FITOFERT CINK ORGANO 14

## for enzyme function

**FITOFERT CINK ORGANO 14** is a micro elementary fertilizer based on chelated EDTA complex. Zinc deficiency is mainly manifested by necrosis of the younger and older leaves. In this case the plant's cells bind other metal components to the enzyme molecules, which can often be phytotoxic. The preparation is used preventively but it can also be applied after the onset of symptoms of deficiency.

**Application:** Foliar conc. 0.2 to 0.5% and by fertigation in quantities of 10 to 20 kg / ha, on several treatments.

**Package:** 200 g, 1 kg and 5 kg.



Element Content %	pH (0.1%) 5.9	EC 0.1% 0.4	Zn (EDTA) 14	Usage Fertigation/foliar
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# FITOFERT COMBIVIT 20

## for enzyme function

**FITOFERT COMBIVIT 20** is a preparation based on micro nutrients and designed for foliar treatment of farming crops, vegetables and fruit. It is a universal AFP chelate complex with high content of micro nutrients. Preventive treatments are recommended for crops sensitive to micro nutrients deficiency or for soils with micro nutrient deficiency, high content of organic matter, carbonates, phosphates and with pH value >6.5. It is recommended to apply the preparation at the beginning of vegetative stage, since low temperature of the earth prevents regular root activity and secretion of substances that affect adoption of micro nutrients. In fruit crops, treatment after harvesting is also recommended.

**Application:** Foliar application in the quantity of 1 kg/ha.

**Package:** 200 g and 1 kg.



Element Content %	pH (0.1%) 4.2	EC 0.1% 0.75	Fe 5	Zn 5	Mn 5	B 3	Cu 1	Mo 1	AFP 12
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# FITOFERT COMBIVIT COMPLEX 14

## for enzyme function

**FITOFERT COMBIVIT COMPLEX 14** is a product based on chelated forms of trace elements (Fe, Mn, Zn i Cu) and anion forms of B and Mo. The product is formulated in the form of water soluble powder, and it is mostly intended for fertigation usage in fruit and vegetable crops. The product is suitable for individual usage or for mutual usage with other fertilizers. Due to the chelated forms (DTPA and EDTA) the product is suitable for fertigation application in different soli and irrigation water types. A preventive application, gives the best results in plant nutrition, on soil where we could expect micronutrient deficiency or blockade (high pH >7 or high P content). The product is applicable from the beginning of vegetation, till after picking or harvesting crops. After picking the treatment is important for determination and development of fruit buds.

**Application:** Fertigation 2 – 3 kg/ha or foliar treatment 1 -1,5 kg/ha.

**Package:** 200 g and 1 kg.



Element Content %	pH (0.1%) 7.7	EC 0.1% 0.4	Fe 3	Zn 3	Mn 3	Cu 1	B 3	Mo 1
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# SOIL AND IRRIGATION WATER CORRECTORS



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# HUMIC AND FULVIC PRODUCTS

## soil conditioners

Humates and fulvates (the basic ingredients of humus) are complex compounds formed by microbiological decomposition of natural organic matter of plant origin. Humin and fulvic acid are not nutrients, but substances that help assimilate the basic NPK nutrients, as well as other nutrients. These substances represent one of the most active biochemical substances in nature. They work equally well via the root system as well as through the leaf. Humi and Fulvi products are organic soil cultivators, based on Humic and Fulvine acids, intended for land with long exploitation and high mineralization (greenhouses), as well as for sand and clay soils.

The use of these products directly increases the content of humus substances in the soil, the chelating of microelements is carried out (making them become more adoptive), assimilation of phosphorus, stimulates the activity of the root system, accelerates the synthesis of chlorophyll, accelerates seed germination, the chelating of microelements in the soil is effected, it is affected on the permeability of cell membranes, the development of useful microorganisms is stimulated, it improves and stimulates plant resistance to pathogenic organisms. It is very important that these products are applied before the critical stages in plant production, such as: transplantation and various conditions of stress (low or high temperature, damage, pesticidal treatments, etc.)

**FITOFERT FULVIMAX 80** is a product formulated in the form of water soluble powder, with the high content of Fulvic acid. Applicable in the stage of early growth and root development. Application: Fertigation 3 to 5 kg/ha or foliar spray with concentration 0,1 to 0,2%.

**FITOFERT HUMIFLEX 24** is a highly concentrated liquid product with the dominant content of Humic acid. The product is applicable after root development, periodically every 20 to 30 days. Application: 10 - 20 lit/ha per year in 2 to 3 treatment (5 to 10 lit/ha treatment) or foliar spray in concentration 0,1 to 0,2%.

**FITOFERT HUMIMAX 80** is a highly concentrated water soluble powder product with the dominant content of Humic acid. The product is applicable after root development, periodically every 20 to 30 days. Application: 5 - 10 kg/ha per year in 2 to 3 treatment (2 to 3 kg/ha treatment) or foliar spray in concentration 0,05 to 0,1%.



Element	pH (0.1%)	EC 0.1%	Extract of humus	Humic acids	Fulvic acid	Water-soluble K <sub>2</sub> O
FITOFERT FULVIMAX 80	7.9	0.25	80	10	70	
FITOFERT HUMIFLEX 24	8.3	0.1	24	16	8	1.5
FITOFERT HUMIMAX 80	9.9	0.5	80	50	30	5

# FITOFERT pH GREEN

## soil conditioner

**FITOFERT pH GREEN** is a product based on organic acids, designed for treatment of irrigation waters and soils with high pH value. High pH value and a great quantity of carbonates block feed availability from the soil, and make a large number of nutrients unavailable. By applying this product both pH and EC of hard irrigation waters are reduced at the same time. Continued use of the preparation successfully reduces pH value and EC in irrigation water, as well as in the soil, and increases availability and assimilation of the feed. Before use, control pH and EC of irrigation water and the soil should be tested and compared to optimum conditions for the cultivated plant.

**Application:** Solely or together with fertigation fertilizers, bearing in mind that total concentration in the working solution does not exceed 0,1% (fertilizer+pH GREEN < 1 kg/1000 litres of water). The quantity of pH GREEN does not exceed ¼ of the fertilizer quantity. **Package:** 1 kg and 5 kg.



Element	N	Org.C	C/N	EC 0.1%	pH (0.1%)
Content %	2.5	>20	<15	0.60	2.90



# FITOFERT pH PLUS

## soil conditioner

**FITOFERT pH PLUS** is product of new generation, with high content of two important secondary elements in plant nutrition, calcium (CaO) 35%, magnesium (MgO) 13.5% and enough content of micro element boron (B) 0.2%.

It is produced according to new granulation technology, where granule size is 2-5 mm, that is mechanically stabile. It easily converts into active stage when it releases above mentioned nutrients. A condition required for activation is water from the soil or from the atmosphere (rain or snow).

**Application:** It should be applied as a classical granulated mineral fertilizer with basic soil cultivation or before soil cultivation for sowing, on the whole field. **Packaging:** 25 kg.



Element	CaO	MgO	B
Content %	35	13.5	0.2





# NUTRITION OF FRUIT

Due to high yields, fruit crops demand timely and constant nutrition by adequate fertilizers. Classic fertilizers have a leading role in basic nutrition, but supplementary nutrition is an inevitable factor for regular plant growth and development of fruits. By supplementary nutrition, foliar or fertigation, it is possible to fully satisfy the needs of the plants in every phenophase stage and also remove deficiencies in macro, micro or secondary nutrients.

A broad range of FitoFert products enables full nutrition of crops using adequate fertilizers. FitoFert fertilizers are unique because we do not offer just one universal product, but a wide range of them, which if used in the right way, achieve significant positive effects.

Positive effects are most often evident in strengthening and increasing plant vitality, developing resistance to various stress conditions (temperature, pesticides), increase in the yield, quality and marketability of the fruits. Also, advantages of FitoFert products result in improved transportability and longevity of the fruits, as well as elimination of diseases caused by physiological deficiencies.

Nutrition of fruit should be carried out in accordance with current development stage of the plants and their needs for specific nutrients. Foliar nutrition should be always applied together with plant protection treatment, where corresponding phenophases should be considered.





# GRAPES AND VINES

Proposed fertigation program for nutrition is given according to phenophases of plant development. If during one phenophase irrigation treatment is applied more than once, than total recommended dosage of fertilizer should be separated equally on each of irrigation treatments.

In basic fertilization in rows should be entered complex fertilizer with pronounced potassium content and basic nitrogen content.




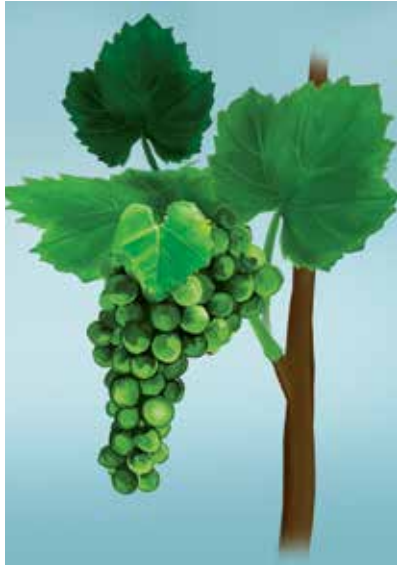








FOLIAR



FERTIGATION

STADIUM	OFFSHOOTS 10cm LONG	FORMATION OF INFLORESCENCE	BEFORE BLOOMING	END OF BLOOMING	BUCKSHOT BERRIES	BUNCH CLOSURE
	<div>kg(l)/ha</div> <div>FITOFERT COMBIVIT 20 + FITOFERT BIOFLEX-L</div> <div>2 + 2</div>	<div>kg(l)/ha</div> <div>FITOFERT BORMAX 20 + FITOFERT HUMISTART</div> <div>1 + 3</div>	<div>kg(l)/ha</div> <div>FITOFERT BORMAX 20 + FITOFERT BIOFLEX-L</div> <div>1 + 2</div>	<div>kg(l)/ha</div> <div>FITOFERT HUMISTART + FITOFERT BIOFLEX-L</div> <div>3 + 2</div>	<div>kg(l)/ha</div> <div>FITOFERT HUMISUPER PLUS + FITOFERT AMINOFLEX</div> <div>3 + 2</div>	<div>kg(l)/ha</div> <div>FITOFERT MAGNI-CAL B</div> <div>5</div>
	<div>Kg/ha per phenophase</div> <div>FITOFERT KRISTAL 20-20-20+ME + FITOFERT FERRO CHELL 6</div> <div>60 + 5</div>		<div>Kg/ha per phenophase</div> <div>FITOFERT KRISTAL 10-40-10+ME + PRIMENITI ODVOJENO + FITOFERT HUMIFLEX</div> <div>60 + 20</div>		<div>Kg/ha per phenophase</div> <div>FITOFERT KRISTAL20-20-20 + ME</div> <div>80</div>	<div>Kg/ha per phenophase</div> <div>FITOFERT KRISTAL BERRY 14-8-30+2MgO+ME + PRIMENITI ODVOJENO + FITOFERT HUMIFLEX</div> <div>80 + 20</div>
Ca					FITOFERT KRISTAL Ca-NIT	FITOFERT KRISTAL Ca-NIT



STADIUM	7-10 DAYS LATER		7-14 DAYS LATER		DURING HARVESTING		AFTER HARVESTING (EARLY VARIETIES)	
	FITOFERT MAGNI-CAL B		FITOFERT CALCIUM ORGANO 30		FITOFERT K-COMPLEX 20 (2 TIMES ON 5-7 DAYS)		FITOFERT COMBIVIT 20 + FITOFERT HUMISTART	
								
NPK + Mg+ME 			Kg/ha per phenophase FITOFERT KRISTAL 4-10-40+2MgO+ME		Kg/ha per phenophase FITOFERT KRISTAL 4-10-40+2MgO+ME			
Ca								
								



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# APPLE AND PEAR

In basic fertilization in rows should be entered complex fertilizer with pronounced potassium content and basic nitrogen content, as well as pelleted manure BioFert green 4:3:3 in the amount of 350 kg/ha.

Proposed fertigation program for nutrition is given according to phenophases of plant development. If during one phenophase irrigation treatment is applied more than once, than total recommended dosage of fertilizer should be separated equally on each irrigation treatment.













FOLIAR







FERTIGATION

STADIUM	GREEN TIPS	BEFORE THE BEGINNING OF FLOWERING	FULL BLOOM	END OF BLOOMING	HAZELNUT-SIZED FRUITS	7 DAYS LATER
	<div>kg(l)/ha</div> <div>FITOFERT COMBIVIT 20 + FITOFERT HUMISTART</div> <div>2 + 3</div>	<div>kg(l)/ha</div> <div>FITOFERT BORMAX 20 + FITOFERT BIOFLEX-L</div> <div>1 + 2</div>	<div>kg(l)/ha</div> <div>FITOFERT BORMAX 20 + FITOFERT HUMISTART</div> <div>1 + 4</div>	<div>kg(l)/ha</div> <div>FITOFERT HUMISUPER PLUS + FITOFERT BIOFLEX-L</div> <div>3 + 2</div>	<div>kg(l)/ha</div> <div>FITOFERT CAL-AMINO 15 + FITOFERT AMINOFLEX</div> <div>3 + 2</div>	<div>kg(l)/ha</div> <div>FITOFERT BIOFLEX-L APPLY SEPARATELY FITOFERT CAL-AMINO 15</div> <div>2 + 3</div>
<div>NPK + Mg+ME</div> <div></div>	<div>Kg/ha per phenophase</div> <div>FITOFERT KRISTAL 20-20-20+ME + FITOFERT FERRO CHELL 6</div> <div>50 + 5</div>	<div>Kg/ha per phenophase</div> <div>FITOFERT KRISTAL 10-40-10+ME + FITOFERT HUMIFLEX</div> <div>50 + 20</div>	<div>Kg/ha per phenophase</div> <div>FITOFERT KRISTAL 20-20-20+ME</div> <div>50</div>	<div>Kg/ha per phenophase</div> <div>FITOFERT KRISTAL BERRY 14-8-30+2MgO+ME + FITOFERT HUMIFLEX</div> <div>80 + 20</div>	<div>Kg/ha per phenophase</div> <div>FITOFERT KRISTAL BERRY 14-8-30+2MgO+ME</div> <div>80</div>	<div>Kg/ha per phenophase</div> <div>FITOFERT KRISTAL BERRY 14-8-30+2MgO+ME</div> <div>80</div>
<div>Ca</div>			<div>FITOFERT KRISTAL Ca-NIT</div> <div>15</div>	<div>FITOFERT KRISTAL Ca-NIT</div> <div>35</div>	<div>FITOFERT KRISTAL Ca-NIT</div> <div>45</div>	<div>FITOFERT KRISTAL Ca-NIT</div> <div>50</div>



STADIUM	WALNUT-SIZED FRUIT	SECOND DECADE OF JULY	FRUITS 70% OF FULL SIZE	HARVESTING START
	<div>kg(l)/ha</div> <div>FITOFERT CAL-AMINO 153</div>	<div>kg(l)/ha</div> <div>FITOFERT HUMISTART + FITOFERT K-COMPLEX 204 + 2</div>	<div>kg(l)/ha</div> <div>FITOFERT CAL-AMINO 15 (2-3 TIMES ON EVERY 10 DAYS)3</div>	<div>kg(l)/ha</div> <div>FITOFERT CA-APPLE (2-3 TIMES ON EVERY 7 DAYS)3</div>
				
NPK + Mg+ME		Kg/ha per phenophase	Kg/ha per phenophase	
		FITOFERT KRISTAL 4-10-40+3MgO+ME30	FITOFERT KRISTAL 4-10-40+3MgO+ME40	
Ca				
				

FULL HARVESTING	AFTER HARVESTING
<div>kg(l)/ha</div> <div>FITOFERTK-COMPLEX 205</div>	<div>kg(l)/ha</div> <div>FITOFERT COMBIVIT 20 + FITOFERT HUMISTART2 + 4</div>
	
	Kg/ha per phenophase
	FITOFERT KRISTAL 10-40-10+ME30
	



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# PEACH, PLUM AND NECTARINE

In basic fertilization in rows should be entered complex fertilizer with pronounced potassium content and basic nitrogen content, as well as pelleted manure BioFert green 4:3:3 in the amount of 350 kg/ha.















Proposed fertigation program for nutrition is given according to phenophases of plant development. If during one phenophase irrigation treatment is applied more than once, than total recommended dosage of fertilizer should be separated equally on each of irrigation treatments.















FOLIAR



FERTIGATION

STADIUM	PINK BUD		FULL BLOOMING		PETAL FALL		HAZELNUT-SIZED FRUIT		7-10 DAYS LATER		7-10 DAYS LATER						
	kg(l)/ha		kg(l)/ha		kg(l)/ha		kg(l)/ha		kg(l)/ha		kg(l)/ha						
	FITOFERT COMBIVIT 20 + FITOFERT HUMISTART		2 + 3	FITOFERT BORMAX 20 + FITOFERT BIOFLEX-L		1 + 2	FITOFERT HUMISTART		5	FITOFERT HUMISUPER PLUS + FITOFERT BIOFLEX-L		3 + 2	FITOFERT MAGNI-CAL B		5	FITOFERT BIOFLEX-L	
																	
	Kg/ha per phenophase		Kg/ha per phenophase				Kg/ha per phenophase				Kg/ha per phenophase						
	FITOFERT KRISTAL 20-20-20+ME + FITOFERT FERRO CHELL 6		50 + 5	FITOFERT KRISTAL 10-40-10+ME + FITOFERT HUMIFLEX		60 + 20	FITOFERT KRISTAL 20-20-20+ME		80	FITOFERT KRISTAL BERRY 14-8-30+2MgO+ME + FITOFERT HUMIFLEX		50 + 10					
Ca							FITOFERT KRISTAL Ca-NIT		40			FITOFERT KRISTAL Ca-NIT		30			
																	



STADIUM	7-10 DAYS LATER	BEGINNING OF RIPENING	7-10 DAYS LATER	FRUITS BEFORE HARVESTING	AFTER HARVESTING
	<div> <div> FITOFERT CALCIUM ORGANO 30 + FITOFERT AMINOFLEX </div> <div>kg(l)/ha</div> <div> 3 + 2 </div> </div>	<div> <div> FITOFERT CALCIUM ORGANO 30 </div> <div>kg(l)/ha</div> <div>3</div> </div>	<div> <div> FITOFERT CALCIUM ORGANO 30 </div> <div>kg(l)/ha</div> <div>3</div> </div>	<div> <div> FITOFERT K-COMPLEX 20 (2-3 TIMES) </div> <div>kg(l)/ha</div> <div>5</div> </div>	<div> <div> FITOFERT COMBIVIT 20 + FITOFERT HUMISTART </div> <div>kg(l)/ha</div> <div> 2 + 4 </div> </div>
					
NPK + Mg+ME 	<div> <div> Kg/ha per phenophase  FITOFERT KRISTAL BERRY 14-8-30+2MgO+ME + FITOFERT HUMIFLEX </div> <div> 50 + 10 </div> </div>	<div> <div> Kg/ha per phenophase  FITOFERT KRISTAL 4-10-40+3MgO+ME </div> <div>40</div> </div>	<div> <div> Kg/ha per phenophase  FITOFERT KRISTAL 4-10-40+3MgO+ME </div> <div>40</div> </div>	<div> <div> Kg/ha per phenophase  FITOFERT KRISTAL 4-10-40+3MgO+ME </div> <div>30</div> </div>	<div> <div> Kg/ha per phenophase  FITOFERT KRISTAL 4-10-40+3MgO+ME </div> <div>30</div> </div>
Ca	FITOFERT KRISTAL Ca-NIT   30				
					





# CHERRY AND SOUR CHERRY

In basic fertilization in rows should be entered complex fertilizer with pronounced potassium content and basic nitrogen content, as well as pelleted manure BioFert green 4:3:3 in the amount of 350 kg/ha.

Proposed fertigation program for nutrition is given according to phenophases of plant development. If during one phenophase irrigation treatment is applied more than once, than total recommended dosage of fertilizer should be separated equally on each irrigation treatment.













FOLIAR



FERTIGATION

STADIUM	LEAVES DEVELOPMENT		FULL BLOOM		PETAL FALL	BERRY SIZED FRUIT		7-10 DAYS LATER	7-10 DAYS LATER
	<div>kg(l)/ha</div> <div>FITOFERT COMBIVIT 20 + FITOFERT BIOFLEX-L</div> <div>2 + 2</div>		<div>kg(l)/ha</div> <div>FITOFERT BORMAX 20 + FITOFERT HUMISTART</div> <div>1 + 3</div>		<div>kg(l)/ha</div> <div>FITOFERT BIOFLEX-L</div> <div>2</div>	<div>kg(l)/ha</div> <div>FITOFERT MAGNI-CAL B + FITOFERT AMINOFLEX</div> <div>3 + 2</div>		<div>kg(l)/ha</div> <div>FITOFERT BIOFLEX-L</div> <div>2</div>	<div>kg(l)/ha</div> <div>FITOFERT MAGNI-CAL B + FITOFERT HUMISUPER PLUS</div> <div>3 + 2</div>
<div>NPK + Mg+ME</div> <div></div>	<div>Kg/ha per phenophase</div> <div>FITOFERT KRISTAL 20-20-20+ME</div> <div>+ FITOFERT FERRO CHELL 6</div> <div>60 + 5</div>		<div>Kg/ha per phenophase</div> <div>FITOFERT KRISTAL 10-40-10+ME</div> <div>PRIMENITI ODVOJENO FITOFERT HUMIFLEX</div> <div>60 20</div>			<div>Kg/ha per phenophase</div> <div>FITOFERT KRISTAL 20-20-20+ME</div> <div>80</div>			<div>Kg/ha per phenophase</div> <div>FITOFERT KRISTAL BERRY 14-8-30+2MgO+ME</div> <div>PRIMENITI ODVOJENO FITOFERT HUMIFLEX</div> <div>80 20</div>
<div>Ca</div>			<div>FITOFERT KRISTAL Ca-NIT</div> <div>20</div>			<div>FITOFERT KRISTAL Ca-NIT</div> <div>40</div>			<div>FITOFERT KRISTAL Ca-NIT</div> <div>50</div>



STADIUM	RIPENING FRUITS	7-10 DAYS LATER	DURING HARVESTING	AFTER HARVESTING
	<div>kg(l)/ha</div> <div>FITOFERT CALCIUM ORGANO 30</div> <div>3</div>	<div>kg(l)/ha</div> <div>FITOFERT CALCIUM ORGANO 30</div> <div>3</div>	<div>kg(l)/ha</div> <div>FITOFERT K-COMPLEX 20 (2-3 TIMES)</div> <div>5</div>	<div>kg(l)/ha</div> <div>FITOFERT COMBIVIT 20 + FITOFERT HUMISTART</div> <div>2 + 3</div>
				
NPK + Mg+ME 		<div>Kg/ha per phenophase</div> <div>FITOFERT KRISTAL 4-10-40+3MgO+ME</div> <div>60</div>		<div>Kg/ha per phenophase</div> <div>FITOFERT KRISTAL 10-40-10+ME</div> <div>30</div>
Ca				
				





# RASPBE- RRIES AND BLACK- BERRIES


















In basic fertilization in rows should be entered complex fertilizer with pronounced potassium content and basic nitrogen content, as well as pelleted manure BioFert green 4:3:3 in the amount of 350 kg/ha. Proposed fertigation program is organized for weekly treatments. If during one week irrigation treatment is applied more than once, than total recommended dosage of fertilizer should be separated equally on each irrigation treatment.



FOLIAR



FERTIGATION

STADIUM	BEFORE THE BEGINNING OF VEGETATION	ROOTING	INTENSE GROWTH	FULL BLOOMING	FRUIT FORMATION	FRUIT PIGMENTATION	AFTER HARVESTING
		<div>concentration %</div> <div>FITOFERT BIOFLEX-L0.25+FITOFERT HUMISTART0.25</div>	<div>concentration %</div> <div>FITOFERT BORMAX 200.20+FITOFERT BIOFLEX-L0.25</div>	<div>concentration %</div> <div>FITOFERT HUMISTART0.25+FITOFERT CALCIUM ORGANO 300.20</div>	<div>concentration %</div> <div>FITOFERT HUMISUPER PLUS0.50+FITOFERT CALCIUM ORGANO 300.20</div>	<div>concentration %</div> <div>FITOFERT K-COMPLEX 200.25+FITOFERT CALCIUM ORGANO 300.3</div>	<div>concentration %</div> <div>FITOFERT HUMISTART0.25+FITOFERT COMBIVIT 200.20</div>
							
<div>NPK+Mg+ME</div>	<div>kg(L)/ha per week</div> <div>FITOFERT KRISTAL 10-40-10+ME30+FITOFERT HUMISTART20</div>	<div>kg(L)/ha per week</div> <div>FITOFERT KRISTAL BERRY 14-8-30+2MgO+ME25APPLY SEPARATELY. ONCE PER SEASONFITOFERT HUMIFLEX10</div>	<div>kg(L)/ha per week</div> <div>FITOFERT KRISTAL BERRY 14-8-30+2MgO+ME45</div>	<div>kg(L)/ha per week</div> <div>FITOFERT KRISTAL BERRY 14-8-30+2MgO+ME30+FITOFERT BIOFLEX-P2</div>	<div>kg(L)/ha per week</div> <div>FITOFERT KRISTAL BERRY 14-8-30+2MgO+ME30APPLY SEPARATELY. ONCE PER SEASONFITOFERT HUMIFLEX10</div>	<div>kg(L)/ha per week</div> <div>FITOFERT KRISTAL 4-10-40+3MgO+ME25+FITOFERT KRISTAL BERRY 14-8-30+2MgO+ME10</div>	<div>kg(L)/ha per week</div> <div>FITOFERT KRISTAL 20-20-20+ME20+FITOFERT BIOFLEX-P2</div>
Ca		FITOFERT KRISTAL Ca-NIT10	FITOFERT KRISTAL Ca-NIT15	FITOFERT KRISTAL Ca-NIT15	FITOFERT KRISTAL Ca-NIT15		
							



## STRAW- BERRY










In basic fertilization in soil should be entered complex fertilizer with pronounced potassium content and basic nitrogen content, as well as pelleted manure Bio-Fert green 4:3:3 in the amount of 350 kg/ha. Proposed fertigation program is organized for weekly treatments. If during one week irrigation treatment is applied more than once, than total recommended dosage of fertilizer should be separated equally on each irrigation treatment.



FOLIAR



FERTIGATION

STADIUM	BEFORE THE BEGINNING OF VEGETATION	ROOTING	INTENSE GROWTH	FULL BLOOM	FRUIT FORMATION	FRUIT PIGMENTATION	AFTER HARVESTING
		<div>concentration %</div> <div>FITOFERT HUMISTART + FITOFERT BIOFLEX-L</div> <div>0.25 + 0.25</div>	<div>concentration %</div> <div>FITOFERT BIOFLEX-L + FITOFERT BORMAX 20</div> <div>0.25 + 0.20</div>	<div>concentration %</div> <div>FITOFERT HUMISTART + FITOFERT CALCIUM ORGANO 30</div> <div>0.25 + 0.20</div>	<div>concentration %</div> <div>FITOFERT HUMISUPER PLUS + FITOFERT CALCIUM ORGANO 30</div> <div>0.50 + 0.20</div>	<div>concentration %</div> <div>FITOFERT K-COMPLEX 20 + FITOFERT CALCIUM ORGANO 30</div> <div>0.25 + 0.3</div>	<div>concentration %</div> <div>FITOFERT HUMISTART + FITOFERT COMBIVIT 20</div> <div>0.25 + 0.20</div>
	<div>NPK + Mg+ME</div>	<div>kg(L)/ha per week</div> <div>FITOFERT KRISTAL 10-40-10+ME + FITOFERT HUMISTART</div> <div>30 + 20</div>	<div>kg(L)/ha per week</div> <div>FITOFERT KRISTAL BERRY 14-8-30+2MgO+ME + FITOFERT KRISTAL 20-20-20+ME</div> <div>25 + 20</div>	<div>kg(L)/ha per week</div> <div>FITOFERT KRISTAL BERRY 14-8-30+2MgO+ME APPLY SEPARATELY. ONCE PER SEASON FITOFERT HUMIFLEX</div> <div>45 10</div>	<div>kg(L)/ha per week</div> <div>FITOFERT KRISTAL BERRY 14-8-30+2MgO+ME + FITOFERT HUMISTART</div> <div>30 + 10</div>	<div>kg(L)/ha per week</div> <div>FITOFERT KRISTAL BERRY 14-8-30+2MgO+ME + FITOFERT KRISTAL BERRY 14-8-30+2MgO+ME</div> <div>50 10</div>	<div>kg(L)/ha per week</div> <div>FITOFERT KRISTAL BERRY 14-8-30+2MgO+ME + FITOFERT KRISTAL 20-20-20+ME</div> <div>20 + 2</div>
<div>Ca</div>		<div>kg(L)/ha per week</div> <div>FITOFERT KRISTAL Ca-NIT</div> <div>10</div>	<div>kg(L)/ha per week</div> <div>FITOFERT KRISTAL Ca-NIT</div> <div>15</div>	<div>kg(L)/ha per week</div> <div>FITOFERT KRISTAL Ca-NIT</div> <div>15</div>	<div>kg(L)/ha per week</div> <div>FITOFERT KRISTAL Ca-NIT</div> <div>15</div>		
							



# BLUE- BERRY, ARONIA, CURRANT



















In basic fertilization in rows should be entered complex fertilizer with pronounced potassium content and basic nitrogen content, as well as pelleted manure Bio-Fert green 4:3:3 in the amount of 350 kg/ha. Proposed fertigation program is organized for weekly treatments. If during one week irrigation treatment is applied more than once, than total recommended dosage of fertilizer should be separated equally on each irrigation treatment. pH of the soil should be controlled every time before application of FITOFERT pH GREEN, and than according to the results dosage should be made.



FOLIAR



FERTIGATION

STADIUM	BEFORE THE BEGINNING OF VEGETATION	ROOTING	INTENSIVE GROWTH	FULL BLOOM	FRUIT FORMING	FRUIT PIGMENTATION	AFTER HARVESTING
		concentration % FITOFERT BIOFLEX-L 0.25 + FITOFERT HUMISTART 0.25	concentration % FITOFERT BORMAX 20 0.25 + FITOFERT BIOFLEX-L 0.25	concentration % FITOFERT HUMISTART 0.25 + FITOFERT CALCIUM ORGANO 30 0.20	concentration % FITOFERT HUMISUPER PLUS 0.25 + FITOFERT CALCIUM ORGANO 30 0.25	concentration % FITOFERT K-COMPLEX 20 0.25 + FITOFERT CALCIUM ORGANO 30 0.3	concentration % FITOFERT HUMISTART 0.35 + FITOFERT COMBIVIT 20 0.20
							
NPK + Mg+ME 	kg(L)/ha per week FITOFERT KRISTAL 10-40-10+ME 30 + FITOFERT HUMISTART 20	kg(L)/ha per week FITOFERT KRISTAL 10-40-10+ME 30 APPLY SEPARATELY FITOFERT FULVIMAX 80 5	kg(L)/ha per week FITOFERT KRISTAL BERRY 14-8-30+2MgO+ME 35 + FITOFERT pH GREEN 5	kg(L)/ha per week FITOFERT KRISTAL BERRY 14-8-30+2MgO+ME 35 + FITOFERT pH GREEN 5	kg(L)/ha per week FITOFERT KRISTAL BERRY 14-8-30+2MgO+ME 25 APPLY SEPARATELY FITOFERT FULVIMAX 80 5	kg(L)/ha per week FITOFERT KRISTAL 4-10-40+3MgO+ME 20 + FITOFERT KRISTAL BERRY 14-8-30+2MgO+ME 10	kg(L)/ha per week FITOFERT KRISTAL 20-20-20+ME 20 + FITOFERT pH GREEN 5
Ca			FITOFERT KRISTAL Ca-NIT 15	FITOFERT KRISTAL Ca-NIT 15	FITOFERT KRISTAL Ca-NIT 15		
							



# NUTRITION OF VEGETABLES

During development and growth, every vegetable plant has certain needs for macro (N,P,K), secondary (Ca, Mg, S) and micro (Fe, B, Cu, Mn) nutrients depending on the stage of development. These quantities cannot be provided during regular soil fertilization but must be added during vegetation through fertigation and foliar nutrition.

FitoFert fertilizers are in full accordance with different phenophases of vegetable development. Crystal water soluble formulations are primarily used for fertigation, but can be also applied as foliar nutrition in combination with micro and secondary nutrient fertilizers. We give our recommendations for growing different vegetable crop, as follows.

Production of vegetable seedlings - for most vegetable plants time needed to produce seedlings is from 4-8 weeks, during which period the plant has low needs for nutrients, and gets everything necessary for regular development, after sprouting until forming of the second true leaf, from nutrient substrates designed for sowing. For sowing, we recommend Kekkila professional supstrate specialized for sowing, granulations of 0-5 mm with 50% black and 50% of white peat, or granulations of 0-7 mm, both of them pH regulated and with amount of nutrients that is coordinated with seedling's needs for nutrients in initial stages of development. Three weeks after sowing most of vegetable plants should be replanted into one of the Kekkila professional substrates such as TSM 1W, DSM 2W i OPM 015W. This supstrates provides the necessary amounts of essential nutrients at a given stage of development.

Due to irrigation with low quality water it often happens that nutrients are washed out from the soil where the plant is rooting. Because of that it is necessity in vegetable seedlings production to apply fertilizers, by foliar application or through irrigation system.





# TOMATO AND EGGPLANT

In basic fertilization in soil should be entered complex fertilizer with pronounced potassium content and basic nitrogen content, as well as pelleted manure BioFert green 4:3:3 in the amount of 800 - 1000 kg/ha.

Proposed fertigation program is organized for weekly treatments. If during one week irrigation treatment is applied more than once, than total recommended dosage of fertilizer should be separated equally on each irrigation treatment.



FOLIAR



FERTIGATION

STADIUM	PLANTING AND ROOTING	VEGETATIVE GROWTH	THE BEGINNING OF BLOOM	INTENSIVE GROWTH OF FRUITS	FRUIT PIGMENTATION	PICKING
	<div>Concentration %</div> <div> <div>FITOFERT HUMISTART</div> <div>+</div> <div>FITOFERT BIOFLEX-L</div> </div> <div> <div>0.3</div> <div>+</div> <div>0.4</div> </div>	<div>Concentration %</div> <div> <div>FITOFERT HUMISTART</div> <div>+</div> <div>FITOFERT BIOFLEX-L</div> </div> <div> <div>0.3</div> <div>+</div> <div>0.4</div> </div>	<div>Concentration %</div> <div> <div>FITOFERT BORMAX 20</div> <div>+</div> <div>FITOFERT BIOFLEX-L</div> <div>(+ FITOFERT AMINOFLEX *)</div> </div> <div> <div>0.3</div> <div>+</div> <div>0.4</div> <div>(+0.2)</div> </div>	<div>Concentration %</div> <div> <div>FITOFERT MAGNI-CAL B</div> <div>+</div> <div>FITOFERT HUMISUPER PLUS</div> </div> <div> <div>0.3</div> <div>+</div> <div>0.5</div> </div>	<div>Concentration %</div> <div> <div>FITOFERT CALCIUM 30</div> <div>APPLY SEPARATELY</div> <div>FITOFERT AMINOFLEX **</div> </div> <div> <div>0.5</div> <div>+</div> <div>0.4</div> </div>	<div>Concentration %</div> <div> <div>FITOFERT K-COMPLEX 20</div> <div>+</div> <div>FITOFERT CALCIUM 30</div> </div> <div> <div>0.5</div> <div>+</div> <div>0.3</div> </div>
<div>NPK + Mg+ME</div> <div></div> <div>Ca</div>	<div>Grams per plant per week</div> <div> <div>FITOFERT KRISTAL 10-40-10+ME</div> <div>+</div> <div>FITOFERT FULVIMAX 80</div> </div> <div> <div>2</div> <div>+</div> <div>0.2</div> </div>	<div>Grams per plant per week</div> <div> <div>FITOFERT KRISTAL 20-20-20+ME</div> <div>APPLY SEPARATELY. ONCE PER SEASON</div> <div>FITOFERT HUMIFLEX</div> </div> <div> <div>2</div> <div>10 lit/ha</div> </div>	<div>Grams per plant per week</div> <div> <div>FITOFERT KRISTAL 10-40-10+ME</div> <div>+</div> <div>FITOFERT KRISTAL TOMATO 12.5-6-31+4MgO+ME</div> </div> <div> <div>0.5</div> <div>+</div> <div>1.5</div> </div>	<div>Grams per plant per week</div> <div> <div>FITOFERT KRISTAL TOMATO 12.5-6-31+4MgO+ME</div> <div>APPLY SEPARATELY. ONCE PER SEASON</div> <div>FITOFERT HUMIFLEX</div> </div> <div> <div>3.5</div> <div>20 l/ha</div> </div>	<div>Grams per plant per week</div> <div> <div>FITOFERT KRISTAL TOMATO 12.5-6-31+4MgO+ME</div> </div> <div> <div>3</div> </div>	<div>Grams per plant per week</div> <div> <div>FITOFERT KRISTAL 4-10-40+3MgO+ME</div> </div> <div> <div>2.5</div> </div>



# PEPPER

In basic fertilization in soil should be entered complex fertilizer with pronounced potassium content and basic nitrogen content, as well as pelleted manure BioFert green 4:3:3 in the amount of 800 - 1000 kg/ha.













Proposed fertigation program is organized for weekly treatments. If during one week irrigation treatment is applied more than once, than total recommended dosage of fertilizer should be separated equally on each irrigation treatment.



FOLIAR



FERTIGATION

STADIUM	PLANTING AND ROOTING	VEGETATIVE GROWTH	THE BEGINNING OF BLOOM	AFTER FIRST PICKING	LAST PICKING
	<div>Concentration %</div> <div>FITOFERT HUMISTART + FITOFERT BIOFLEX-L</div> <div>0.3 + 0.4</div>	<div>Concentration %</div> <div>FITOFERT HUMISTART + FITOFERT MAGNI-CAL B</div> <div>0.5 + 0.3</div>	<div>Concentration %</div> <div>FITOFERT BORMAX 20 + FITOFERT BIOFLEX-L (+ FITOFERT AMINOFLEX *)</div> <div>0.3 + 0.4 (+0.2)</div>	<div>Concentration %</div> <div>FITOFERT MAGNI-CAL B + FITOFERT HUMISUPER PLUS</div> <div>0.3 + 0.5</div>	<div>Concentration %</div> <div>FITOFERT K-COMPLEX 20 APPLY SEPARATELY FITOFERT CALCIUM 30</div> <div>0.5 0.3</div>
					
<div>NPK + Mg+ME</div> <div></div>	<div>Grams per plant per week</div> <div>FITOFERT KRISTAL 10-40-10+ME + FITOFERT FULVIMAX 80</div> <div>2 + 0.2</div>	<div>Grams per plant per week</div> <div>FITOFERT KRISTAL 20-20-20+ME + FITOFERT BIOFLEX-P</div> <div>2 + 0.1</div>	<div>Grams per plant per week</div> <div>FITOFERT KRISTAL PEPPER 11-7-33+4MgO+ME APPLY SEPARATELY. ONCE PER SEASON FITOFERT HUMIFLEX</div> <div>1.5 20l/ha</div>	<div>Grams per plant per week</div> <div>FITOFERT KRISTAL PEPPER 11-7-33+4MgO+ME</div> <div>2.5</div>	<div>Grams per plant per week</div> <div>FITOFERT KRISTAL PEPPER 11-7-33+4MgO+ME</div> <div>3</div>
<div>Ca</div>			<div>FITOFERT KRISTAL Ca-NIT</div> <div>1.5</div>	<div>FITOFERT KRISTAL Ca-NIT</div> <div>1.5</div>	<div>FITOFERT KRISTAL Ca-NIT</div> <div>2.5</div>
					





# CUCUMBER AND GHERKIN

In basic fertilization in soil should be entered complex fertilizer with pronounced potassium content and basic nitrogen content, as well as pelleted manure BioFert green 4:3:3 in the amount of 800 - 1000 kg/ha.

Proposed fertigation program is organized for weekly treatments. If during one week irrigation treatment is applied more than once, than total recommended dosage of fertilizer should be separated equally on each irrigation treatment.



FOLIAR



FERTIGATION

STADIUM	PLANTING AND ROOTING	VEGETATIVE GROWTH	THE BEGINNING OF PICKING	FULL PICKING
	<div>Concentration %</div> <div>FITOFERT HUMISTART + FITOFERT BIOFLEX-L</div> <div>0.3 + 0.4</div>	<div>Concentration %</div> <div>FITOFERT BORMAX 20 + FITOFERT BIOFLEX-L (+ AMINOFLEX *)</div> <div>0.3 + 0.4 (+0,2)</div>	<div>Concentration %</div> <div>FITOFERT MAGNI-CAL B + FITOFERT HUMISUPER PLUS</div> <div>0.3 + 0.5</div>	<div>Concentration %</div> <div>FITOFERT CALCIUM 30 + FITOFERT BIOFLEX-L **</div> <div>0.5 + 0.4</div>
<div>NPK + Mg+ME</div> <div></div>	<div>Grams per plant per week</div> <div>FITOFERT KRISTAL 10-40-10+ME + FITOFERT FULVIMAX 80</div> <div>2 + 0.2</div>	<div>Grams per plant per week</div> <div>FITOFERT KRISTAL MELON 14-7-28+3,5 MgO+ME</div> <div>4</div>	<div>Grams per plant per week</div> <div>FITOFERT KRISTAL MELON 14-7-28+3,5 MgO+ME + FITOFERT HUMIFLEX</div> <div>5 + 20 l/ha</div>	<div>Grams per plant per week</div> <div>FITOFERT KRISTAL MELON 14-7-28+3,5 MgO+ME</div> <div>5,5</div>
<div>Ca</div>		<div>FITOFERT KRISTAL Ca-NIT</div> <div>2.5</div>	<div>FITOFERT KRISTAL Ca-NIT</div> <div>2</div>	<div>FITOFERT KRISTAL Ca-NIT</div> <div>1,5</div>





# WATERMELON AND MELON

In basic fertilization in soil should be entered complex fertilizer with pronounced potassium content and basic nitrogen content, as well as pelleted manure BioFert green 4:3:3 in the amount of 800 - 1000 kg/ha.


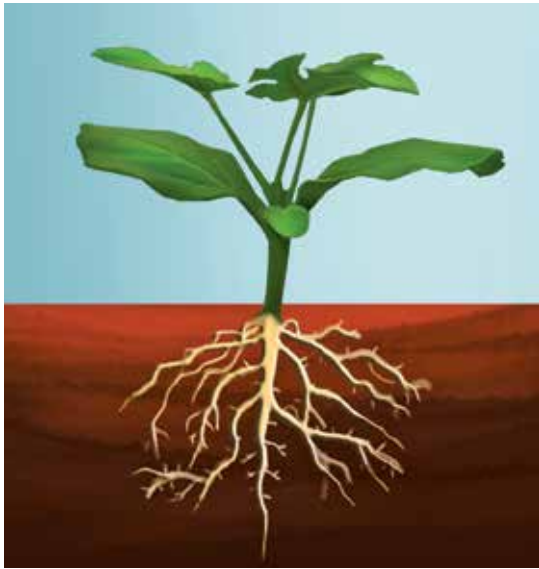







Proposed fertigation program is organized for weekly treatments. If during one week irrigation treatment is applied more than once, than total recommended dosage of fertilizer should be separated equally on each irrigation treatment.



FOLIAR



FERTIGATION

STADIUM	PLANTING AND ROOTING	THE BEGINNING OF BLOOM	FRUIT 70% OF FULL SIZE	PICKING																				
	<table><tr><th colspan="2">Concentration %</th></tr><tr><td>FITOFERT HUMISTART + FITOFERT BIOFLEX-L</td><td>0.3 + 0.4</td></tr></table>	Concentration %		FITOFERT HUMISTART + FITOFERT BIOFLEX-L	0.3 + 0.4	<table><tr><th colspan="2">Concentration %</th></tr><tr><td>FITOFERT BORMAX 20 + FITOFERT BIOFLEX-L (+ FITOFERT AMINOFLEX *)</td><td>0.3 + 0.4 (+0.2)</td></tr></table>	Concentration %		FITOFERT BORMAX 20 + FITOFERT BIOFLEX-L (+ FITOFERT AMINOFLEX *)	0.3 + 0.4 (+0.2)	<table><tr><th colspan="2">Concentration %</th></tr><tr><td>FITOFERT MAGNI-CAL B + FITOFERT HUMISUPER PLUS</td><td>0.3 + 0.5</td></tr></table>	Concentration %		FITOFERT MAGNI-CAL B + FITOFERT HUMISUPER PLUS	0.3 + 0.5	<table><tr><th colspan="2">Concentration %</th></tr><tr><td>FITOFERT K-COMPLEX 20 APPLY SEPARATELY FITOFERT CALCIUM 30 **</td><td>0.3  0.2</td></tr></table>	Concentration %		FITOFERT K-COMPLEX 20 APPLY SEPARATELY FITOFERT CALCIUM 30 **	0.3  0.2				
Concentration %																								
FITOFERT HUMISTART + FITOFERT BIOFLEX-L	0.3 + 0.4																							
Concentration %																								
FITOFERT BORMAX 20 + FITOFERT BIOFLEX-L (+ FITOFERT AMINOFLEX *)	0.3 + 0.4 (+0.2)																							
Concentration %																								
FITOFERT MAGNI-CAL B + FITOFERT HUMISUPER PLUS	0.3 + 0.5																							
Concentration %																								
FITOFERT K-COMPLEX 20 APPLY SEPARATELY FITOFERT CALCIUM 30 **	0.3  0.2																							
																								
<table><tr><th colspan="2">NPK + Mg+ME</th></tr><tr><td>FITOFERT KRISTAL 10-40-10+ME + FITOFERT FULVIMAX 80</td><td>15 + 3</td></tr></table>	NPK + Mg+ME		FITOFERT KRISTAL 10-40-10+ME + FITOFERT FULVIMAX 80	15 + 3	<table><tr><th colspan="2">Grams per plant per week</th></tr><tr><td>FITOFERT KRISTAL 10-40-10+ME + FITOFERT FULVIMAX 80</td><td>15 + 3</td></tr></table>	Grams per plant per week		FITOFERT KRISTAL 10-40-10+ME + FITOFERT FULVIMAX 80	15 + 3	<table><tr><th colspan="2">Grams per plant per week</th></tr><tr><td>FITOFERT KRISTAL MELON 14-7-28+3,5 MgO+ME</td><td>20</td></tr></table>	Grams per plant per week		FITOFERT KRISTAL MELON 14-7-28+3,5 MgO+ME	20	<table><tr><th colspan="2">Grams per plant per week</th></tr><tr><td>FITOFERT KRISTAL MELON 14-7-28+3,5 MgO+ME APPLY SEPARATELY, ONCE IN SEASON FITOFERT HUMIFLEX</td><td>30  20 l/ha</td></tr></table>	Grams per plant per week		FITOFERT KRISTAL MELON 14-7-28+3,5 MgO+ME APPLY SEPARATELY, ONCE IN SEASON FITOFERT HUMIFLEX	30  20 l/ha	<table><tr><th colspan="2">Grams per plant per week</th></tr><tr><td>FITOFERT KRISTAL MELON 14-7-28+3,5 MgO+ME + FITOFERT KRISTAL 4-10-40+3MgO+ME</td><td>30 + 5</td></tr></table>	Grams per plant per week		FITOFERT KRISTAL MELON 14-7-28+3,5 MgO+ME + FITOFERT KRISTAL 4-10-40+3MgO+ME	30 + 5
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<table><tr><th colspan="2">Ca</th></tr><tr><td>FITOFERT KRISTAL Ca-NIT</td><td>5</td></tr></table>	Ca		FITOFERT KRISTAL Ca-NIT	5	<table><tr><th colspan="2">Ca</th></tr><tr><td>FITOFERT KRISTAL Ca-NIT</td><td>5</td></tr></table>	Ca		FITOFERT KRISTAL Ca-NIT	5	<table><tr><th colspan="2">Ca</th></tr><tr><td>FITOFERT KRISTAL Ca-NIT</td><td>15</td></tr></table>	Ca		FITOFERT KRISTAL Ca-NIT	15	<table><tr><th colspan="2">Ca</th></tr><tr><td>FITOFERT KRISTAL Ca-NIT</td><td>10</td></tr></table>	Ca		FITOFERT KRISTAL Ca-NIT	10	<table><tr><th colspan="2">Ca</th></tr><tr><td>FITOFERT KRISTAL Ca-NIT</td><td>9</td></tr></table>	Ca		FITOFERT KRISTAL Ca-NIT	9
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FITOFERT KRISTAL Ca-NIT	5																							
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FITOFERT KRISTAL Ca-NIT	10																							
Ca																								
FITOFERT KRISTAL Ca-NIT	9																							
																								



ZUCCHINI

In basic fertilization in soil should be entered complex fertilizer with pronounced potassium content and basic nitrogen content, as well as pelleted manure BioFert green 4:3:3 in the amount of 800 - 1000 kg/ha. Proposed fertigation program is organized for weekly treatments. If during one week irrigation treatment is applied more than once, than total recommended dosage of fertilizer should be separated equally on each irrigation treatment.



FOLIAR



FERTIGATION

STADIUM	ROOTING	INTENSIVE VEGETATIVE GROWTH	PICKING
	<div>Concentration %</div> <div>FITOFERT HUMISTART + FITOFERT BIOFLEX-L</div> <div>0.3 + 0.4</div>	<div>Concentration %</div> <div>FITOFERT BORMAX 20 + FITOFERT BIOFLEX-L (+ AMINOFLEX *)</div> <div>0.3 + 0.4 (+0.2)</div>	<div>Concentration %</div> <div>FITOFERT K-COMPLEX 20 + FITOFERT CALCIUM 30</div> <div>0.3 + 0.2</div>
<div>NPK + Mg+ME</div> <div></div> <div>Ca</div>	<div>Grams per plant per week</div> <div>FITOFERT KRISTAL 10-40-10+ME + FITOFERT FULVIMAX 80</div> <div>1.5 + 0.2</div>	<div>Grams per plant per week</div> <div>FITOFERT KRISTAL MELON 14-7-28+3.5MgO+ME + FITOFERT HUMIFLEX</div> <div>4 + 20 l/ha</div>	<div>Grams per plant per week</div> <div>FITOFERT KRISTAL MELON 14-7-28+3.5MgO+ME + FITOFERT KRISTAL 4-10-40+3MgO+ME</div> <div>4 + 0.5</div>
		FITOFERT KRISTAL Ca-NIT	FITOFERT KRISTAL Ca-NIT
		3	2

LETTUCE,  
SPINACH,  
CHARD,  
SPICE  
HERBS

In basic fertilization in soil should be entered complex fertilizer with pronounced potassium content and basic nitrogen content, as well as pelleted manure BioFert green 4:3:3 in the amount of 800 - 1000 kg/ha. Proposed fertigation program for nutrition is given according to phenophases of plant development. If during one phenophase irrigation treatment is applied more than once, than total recommended dosage of fertilizer should be separated equally on each irrigation treatment.



FOLIAR



FERTIGATION

STADIUM	ROOTING	ROSETTE FORMATION	SECOND PART OF VEGETATION
	<div>Concentration %</div> <div>FITOFERT HUMISTART + FITOFERT BIOFLEX-L</div> <div>0.3 + 0.4</div>	<div>Concentration %</div> <div>FITOFERT BORMAX 20 + FITOFERT BIOFLEX-L (+ AMINOFLEX *)</div> <div>0.3 + 0.4 (+0.2)</div>	<div>Concentration %</div> <div>FFITOFERT K-COMPLEX 20 + FITOFERT CALCIUM 30</div> <div>0.3 + 0.2</div>
<div>NPK + Mg+ME</div> <div></div> <div>Ca</div>	<div>Kg/ha per phenophase</div> <div>FITOFERT KRISTAL 10-40-10+ME + FITOFERT FULVIMAX 80</div> <div>40 + 5</div>	<div>Kg/ha per phenophase</div> <div>FITOFERT KRISTAL UNIVERZAL 14-8-28+2MgO+ME + FITOFERT HUMIFLEX</div> <div>60 + 20 l/ha</div>	<div>Kg/ha per phenophase</div> <div>FITOFERT KRISTAL UNIVERZAL 14-8-28+2MgO+ME</div> <div>100</div>
		FITOFERT KRISTAL Ca-NIT	FITOFERT KRISTAL Ca-NIT
		25	30



CABBAGE,  
CAULI-  
FLOWER,  
BROCCOLI,  
KALE,  
BRUSSELS  
SPROUT

In basic fertilization in soil should be entered complex fertilizer with pronounced potassium content and basic nitrogen content, as well as pelleted manure BioFert green 4:3:3 in the amount of 800 - 1000 kg/ha.











Navedene količine fertigacionih đubriva date su po fenofazama razvoja. Ukoliko se tokom fenofaze zasad navodnjava više puta predviđenu količinu đubriva ravnomerno podeliti po broju zalivanja.



FOLIAR



FERTIGATION

STADIUM	ROOTING	ROSETTE FORMING	SECOND PART OF VEGETATION
	<div>Concentration %</div> <div>FITOFERT HUMISTART + FITOFERT BIOFLEX-L</div> <div>0.3 + 0.4</div>	<div>Concentration %</div> <div>FITOFERT BORMAX 20 + FITOFERT BIOFLEX-L (+ AMINOFLEX *)</div> <div>0.3 + 0.4 (+0.2)</div>	<div>Concentration %</div> <div>FITOFERT K-COMPLEX 20 + FITOFERT CALCIUM 30</div> <div>0.3 + 0.2</div>
			
<div>NPK + Mg+ME</div> 	<div>Kg/ha per phenophase</div> <div>FITOFERT KRISTAL 10:40:10 + FITOFERT FULVIMAX 80</div> <div>40 + 5</div>	<div>Kg/ha per phenophase</div> <div>FITOFERT KRISTAL UNIVERZAL 14-8-28+2MgO+ME</div> <div>APPLY SEPARATELY. ONCE IN SEASON</div> <div>FITOFERT HUMIFLEX</div> <div>60 20 l/ha</div>	<div>Kg/ha per phenophase</div> <div>FITOFERT KRISTAL 4-10-40+3MgO+ME</div> <div>150</div>
Ca		FITOFERT KRISTAL Ca-NIT 40	FITOFERT KRISTAL Ca-NIT 30
			

POTATO











In basic fertilization in soil should be entered complex fertilizer with pronounced potassium content and basic nitrogen content, as well as pelleted manure BioFert green 4:3:3 in the amount of 800 - 1000 kg/ha. Proposed fertigation program for nutrition is given according to phenophases of plant development. If during one phenophase irrigation treatment is applied more than once, than total recommended dosage of fertilizer should be separated equally on each irrigation treatment.



FOLIAR



FERTIGATION

STADIUM	UNTIL ROW CLOSURE	FULL BLOOM	TUBER GROWTH
	<div>Concentration %</div> <div>FITOFERT HUMISTART + FITOFERT BIOFLEX-L</div> <div>0.3 + 0.4</div>	<div>Concentration %</div> <div>FITOFERT BORMAX 20 + FITOFERT BIOFLEX-L (+ AMINOFLEX *)</div> <div>0.3 + 0.4 (+0.2)</div>	<div>Concentration %</div> <div>FITOFERT K-COMPLEX 20 + FITOFERT CALCIUM 30</div> <div>0.3 + 0.2</div>
			
<div>NPK + Mg+ME</div> 	<div>Kg/ha per phenophase</div> <div>FITOFERT KRISTAL 20-20-20+ME + FITOFERT FULVIMAX 80</div> <div>50 + 5</div>	<div>Kg/ha per phenophase</div> <div>FITOFERT KRISTAL UNIVERZAL 14-8-28+2MgO+ME</div> <div>APPLY SEPARATELY. ONCE IN SEASON</div> <div>FITOFERT HUMIFLEX</div> <div>80 20 l/ha</div>	<div>Kg/ha per phenophase</div> <div>FITOFERT KRISTAL 4-10-40+3MgO+ME</div> <div>150</div>
Ca	FITOFERT KRISTAL Ca-NIT 25	FITOFERT KRISTAL Ca-NIT 50	
			



# ROOT VEGETABLES

In basic fertilization in soil should be entered complex fertilizer with pronounced potassium content and basic nitrogen content, as well as pelleted manure BioFert green 4:3:3 in the amount of 800 - 1000 kg/ha.

Proposed fertigation program for nutrition is given according to phenophases of plant development. If during one phenophase irrigation treatment is applied more than once, than total recommended dosage of fertilizer should be separated equally on each irrigation treatment.

CARROT, BEETROOT,  
CELERY, HORSERADISH



FOLIAR



FERTIGATION

STADIUM	THE BEGINNING OF ROSETTE FORMATION	INTENSIVE GROWTH
	<div>kg(l)/h</div> <div> <div>FITOFERT BORMAX 20</div> <div>+</div> <div>FITOFERT BIOFLEX-L</div> </div> <div> <div>1</div> <div>+</div> <div>2</div> </div>	<div>kg(l)/h</div> <div> <div>FITOFERT K-COMPLEX 20</div> <div>+</div> <div>FITOFERT CALCIUM 30</div> </div> <div> <div>0.3</div> <div>+</div> <div>0.2</div> </div>
<b>NPK</b> + <b>Mg+ME</b>	<div>Kg/ha per phenophase</div> <div> <div>FITOFERT KRISTAL 20-20-20+ME</div> <div>+</div> <div>FITOFERT FULVIMAX 80</div> </div> <div> <div>60</div> <div>+</div> <div>10</div> </div>	<div>Kg/ha per phenophase</div> <div> <div>FITOFERT KRISTAL 4-10-40+3MgO+ME</div> <div>APPLY SEPARATELY. ONCE IN SEASON</div> <div>FITOFERT HUMIFLEX</div> </div> <div> <div>150</div> <div>20 l/ha</div> </div>
<b>Ca</b>	FITOFERT KRISTAL Ca-NIT   30	FITOFERT KRISTAL Ca-NIT   30

# BULB VEGETABLES

In basic fertilization in soil should be entered complex fertilizer with pronounced potassium content and basic nitrogen content, as well as pelleted manure BioFert green 4:3:3 in the amount of 800 - 1000 kg/ha.

Proposed fertigation program for nutrition is given according to phenophases of plant development. If during one phenophase irrigation treatment is applied more than once, than total recommended dosage of fertilizer should be separated equally on each irrigation treatment.

ONION, GARLIC, LEEK



FOLIAR



FERTIGATION

STADIUM	THE BEGINNING OF ROSETTE FORMATION	INTENSIVE GROWTH
	<div>kg(l)/h</div> <div> <div>FITOFERT BORMAX 20</div> <div>+</div> <div>FITOFERT BIOFLEX-L</div> </div> <div> <div>1</div> <div>+</div> <div>2</div> </div>	<div>kg(l)/h</div> <div> <div>FITOFERT K-COMPLEX 20</div> <div>+</div> <div>FITOFERT CALCIUM 30</div> </div> <div> <div>0.3</div> <div>+</div> <div>0.2</div> </div>
<b>NPK</b> + <b>Mg+ME</b>	<div>Kg/ha per phenophase</div> <div> <div>FITOFERT KRISTAL 20-20-20+ME</div> <div>+</div> <div>FITOFERT FULVIMAX 80</div> </div> <div> <div>60</div> <div>+</div> <div>10</div> </div>	<div>Kg/ha per phenophase</div> <div> <div>FITOFERT KRISTAL 4-10-40+3MgO+ME</div> <div>APPLY SEPARATELY. ONCE IN SEASON</div> <div>FITOFERT HUMIFLEX</div> </div> <div> <div>150</div> <div>20 l/ha</div> </div>
<b>Ca</b>	FITOFERT KRISTAL Ca-NIT   50	FITOFERT KRISTAL Ca-NIT   50



# LEGUMES

In basic fertilization in soil should be entered complex fertilizer with pronounced potassium content and basic nitrogen content, as well as pelleted manure BioFert green 4:3:3 in the amount of 800 - 1000 kg/ha.

BEANS, GREEN BEANS, PEAS



FOLIAR



FERTIGATION

STADIUM	FIRST PAIR OF TRUE LEAVES	BEFORE BLOOMING	PODS FORMATION	THE BEGINNING OF PICKING
	<div><div>FITOFERT HUMISTART</div><div>kg(l)/h</div><div>3</div></div>	<div><div>FITOFERT BORMAX 20 + FITOFERT HUMISUPER PLUS</div><div>kg(l)/h</div><div>1 + 3</div></div>	<div><div>FITOFERT CALCIUM ORGANO 30 + FITOFERT HUMISUPER PLUS</div><div>kg(l)/h</div><div>3 + 2</div></div>	<div><div>FITOFERT HUMISUPER PLUS + FITOFERT K-COMPLEX 20</div><div>kg(l)/h</div><div>2 + 3</div></div>
<div>NPK + Mg+ME</div> <div></div>				
<div>Ca</div>				





# CROP HUSBANDRY

Foliar nutrition: Plants absorb most nutrients through the root system, designed in evolution as the main route for entry of nutrients. However, during critical development stages, nutrient deficiency, reduced absorption or transportability and stress conditions, foliar nutrition can help in overcoming these problems, which result in better and higher yields.

Advantages of foliar nutrition are as follows:

- Easy supply of micronutrients and treatment of deficiencies (Zn, Mn, Fe, B, Cu, Mo) which are not often available to the root system or are badly transported (high pH value of soil, high OM, sandy soils).
- Triggering certain enzyme processes (B- pollination, Zn- phytohormones).
- Nutrition in periods of stress, when the plant's root absorb them with difficulty (cold weather, impossibility of assimilating P).
- Faster overcoming of stress (amino acids). More intensive growth (phytohormones, organic acids, saccharides).
- Foliar treatment is often carried out together with pesticides, which minimizes application costs. There are several factors that can affect efficiency and maximum positive result. Generally, foliar treatments are best done during early morning or late evening, at temperatures lower than 30°C.






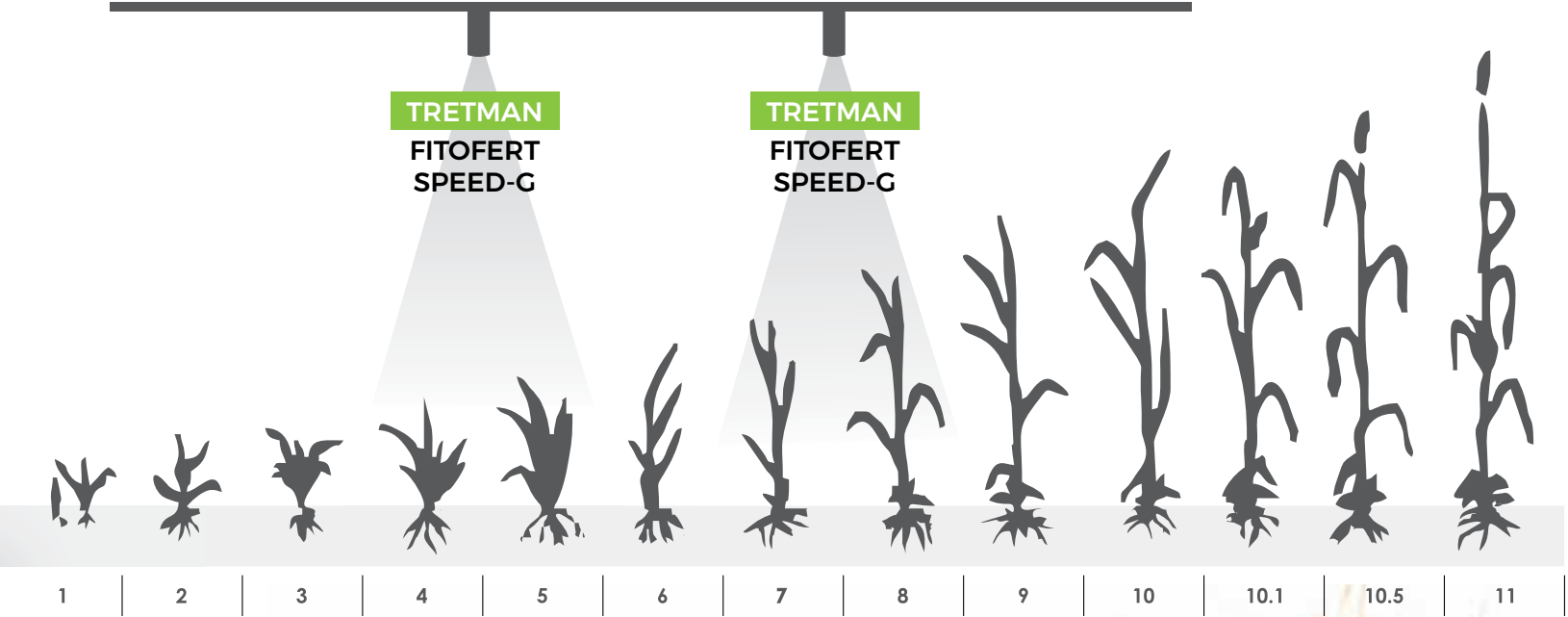


# GRAINS

Besides basic fertilization in autumn and additional nutrition with nitrogen, wheat needs additional foliar nutrition together with pesticide treatment. First pesticide (herbicide) treatment is most often carried out in early spring, in the grass weeds' and cultivated plants' initial stages of growth. In this period nights are cold so, with appropriate foliar nutrition activation of metabolic processes and accelerated work of root system, can be achieved, also tillering is improved and temperature stress is reduced.



STADIUM	DURING TILLERING		WHEN FIRST NODE APPEARS	
	FITOFERT SPEED-G	l/ha	FITOFERT SPEED-G	l/ha
		3		3
				



Results of the study and realized profit that is achieved by applying one treatment of FITOFERT HUMISUPER PLUS in combination with herbicides

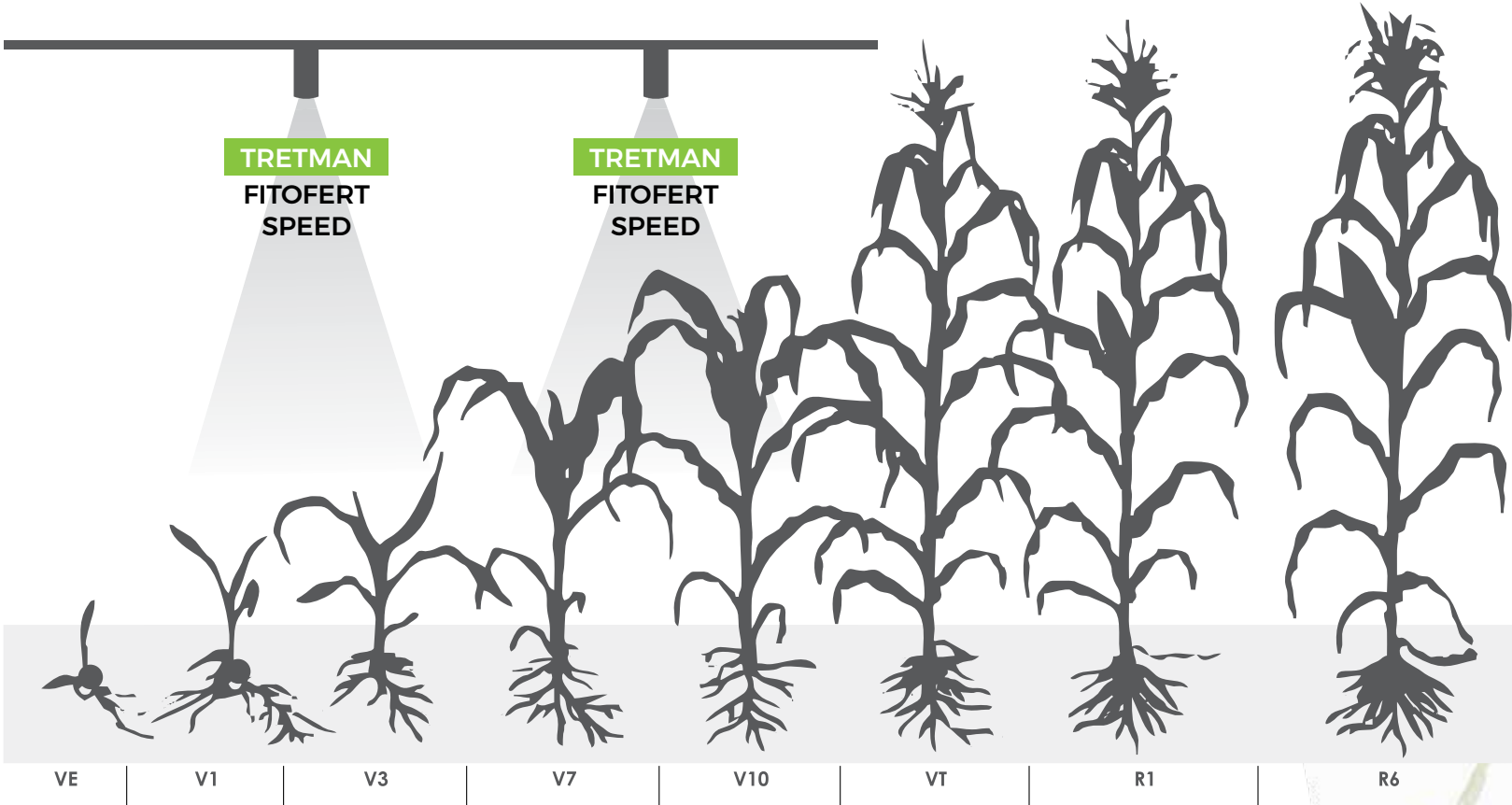
Location	Variety	Control kg/ha	FITOFERT kg/ha	Difference kg/ha	NETO PROFIT
Kamenovo	Moison	7565	8170	605	8.800 din
Kamenovo	Apache	6760	7300	540	7.850 din
Porodin	Nicol	6255	6840	485	6.800 din
Markovac	Solehium	7495	8010	515	7.280 din



# MAIZE

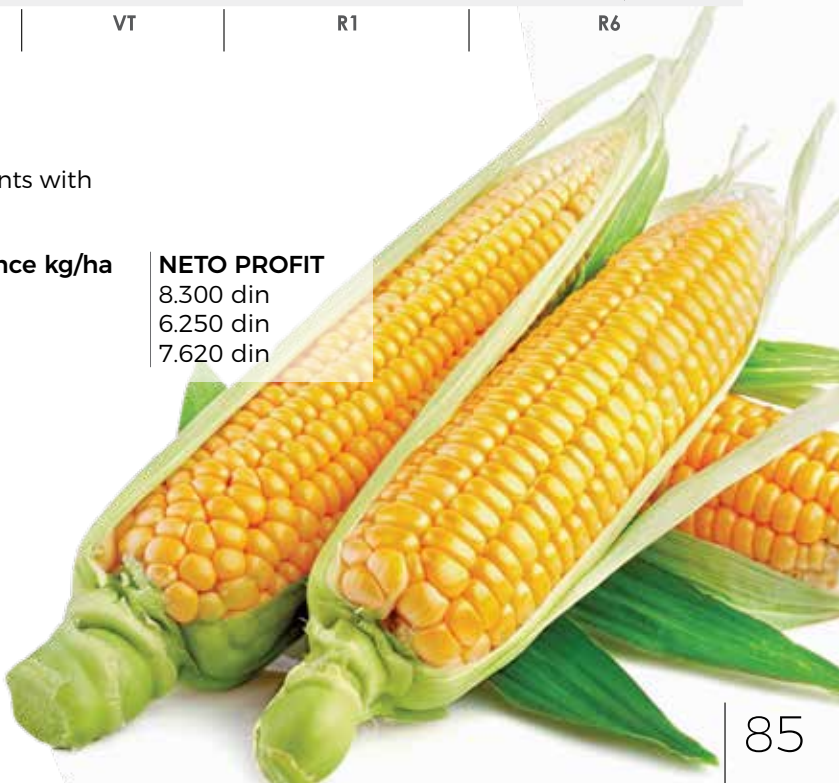
Maize is culture that during vegetation period needs a high quantity of nutrients (N, K, P, Mg, Ca, Zn etc.). Most of these nutrients, maize absorbs by the root from the soil absorbing complex, and therefore it is very important to apply basic fertilization during ploughing correctly with appropriate fertilizers. Beside basic fertilization, for maize it is favorable to apply foliar fertilization treatment together with herbicides application. Adequate time for this operation is when maize is in 4-6 leaves stadium.

STADIUM	3-6 LEAVES	INTENSIVE VEGETATIVE GROWTH								
	<table><tr><td></td><td>l/ha</td></tr><tr><td>FITOFERT SPEED</td><td>3</td></tr></table>		l/ha	FITOFERT SPEED	3	<table><tr><td></td><td>l/ha</td></tr><tr><td>FITOFERT SPEED</td><td>3</td></tr></table>		l/ha	FITOFERT SPEED	3
	l/ha									
FITOFERT SPEED	3									
	l/ha									
FITOFERT SPEED	3									
										
										



Results of experiment and realized profit that is achieved after two treatments with FIFOLERT SPEED fertilizer.

Location	Control kg/ha	FITOFERT kg/ha	Difference kg/ha	NETO PROFIT
Svilajnac	8780	9540	760	8.300 din
Jagodina	7730	8370	640	6.250 din
Mrkšićevi Salaši	9120	9860	770	7.620 din




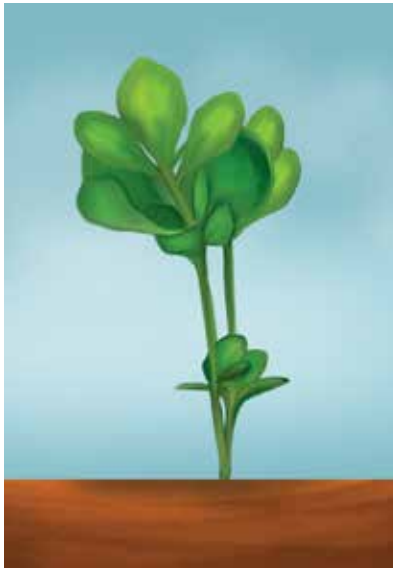




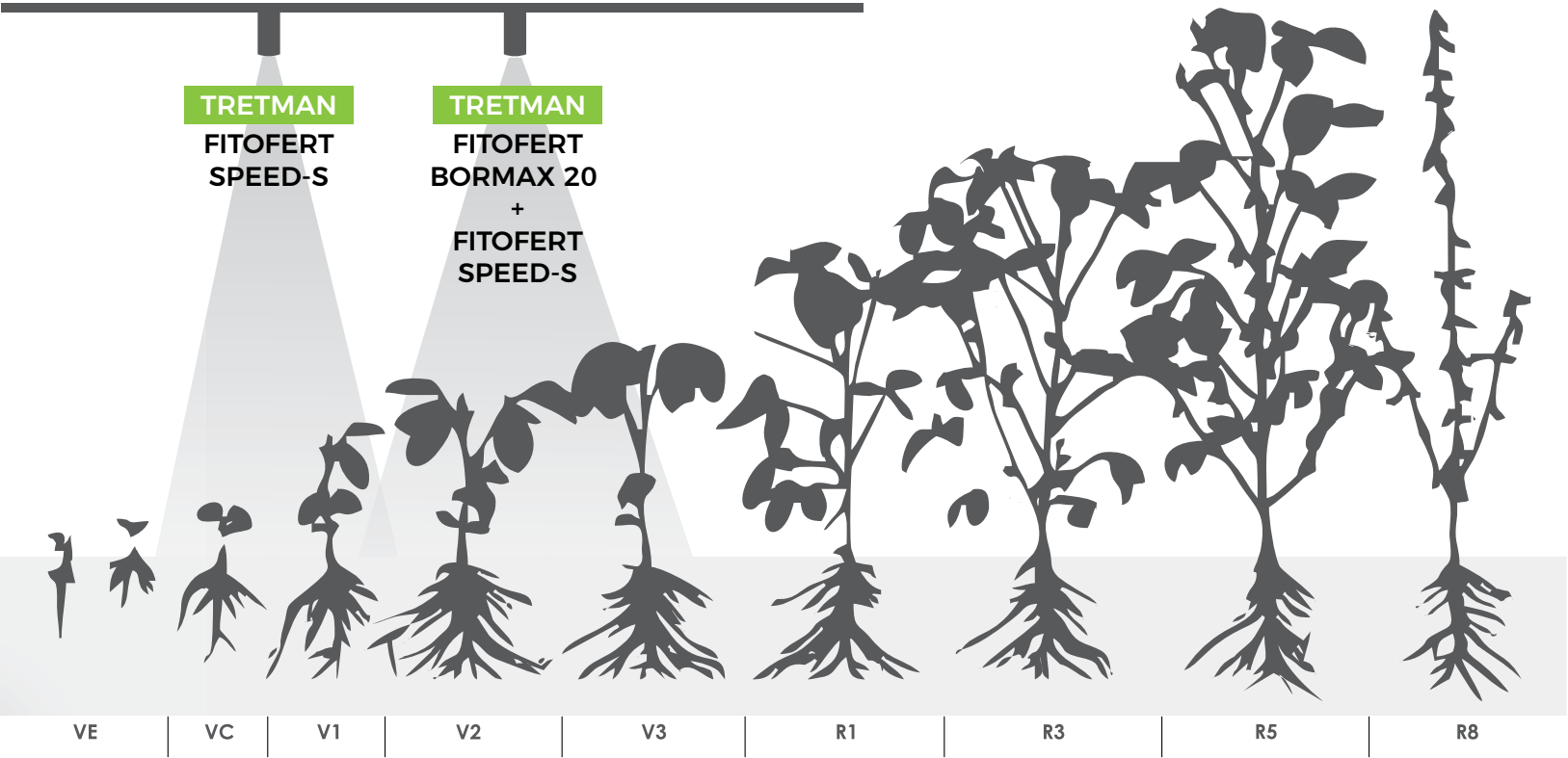
# SOYBEAN

Soybean is a crop from legume family and it has ability to form symbiosis with beneficial microorganisms in the soil. These microorganisms fixate atmospheric nitrogen and transform it into accessible form for the cultivated plants, nitrate nitrogen. Due to this it is very important to pay attention how much nitrogen is given through the basic fertilization before sowing, i.e. to reduce the quantity of the basic fertilizer during soil cultivating, and add all other necessary quantities of nutrients during vegetation through FITOFERT foliar fertilizers. Boron has a multiple effect on soybean crops: it affects root growth, improves nitrogen fixation, stimulates branch spread and flowering, prolongs longevity and fertilization of the flowers and increases the number of beans in the pod.



FOLIAR

STADIUM	UNTIL FIRST THREE 3-LEAFLETS	BEFORE BLOOMING								
	<table><tr><td></td><td>l/ha</td></tr><tr><td>FITOFERT SPEED-S</td><td>3</td></tr></table>		l/ha	FITOFERT SPEED-S	3	<table><tr><td></td><td>l/ha (kg/ha)</td></tr><tr><td>FITOFERT BORMAX 20 + FITOFERT SPEED-S</td><td>1 + 3</td></tr></table>		l/ha (kg/ha)	FITOFERT BORMAX 20 + FITOFERT SPEED-S	1 + 3
	l/ha									
FITOFERT SPEED-S	3									
	l/ha (kg/ha)									
FITOFERT BORMAX 20 + FITOFERT SPEED-S	1 + 3									
										
										



Results of experiment and realized profit that is achieved with one treatment with FITOFERT HUMISUPER PLUS and FITOFERT BORMAX 20 before blooming.

Location	Control kg/ha	FITOFERT kg/ha	Difference kg/ha	NETO PROFIT
Nizine	3260	3560	300	10.000 din
Temerin	5500	5750	250	8.000 din
Sivac	3230	3570	340	11.600 din
Hajdučica	4220	4550	330	11.200 din





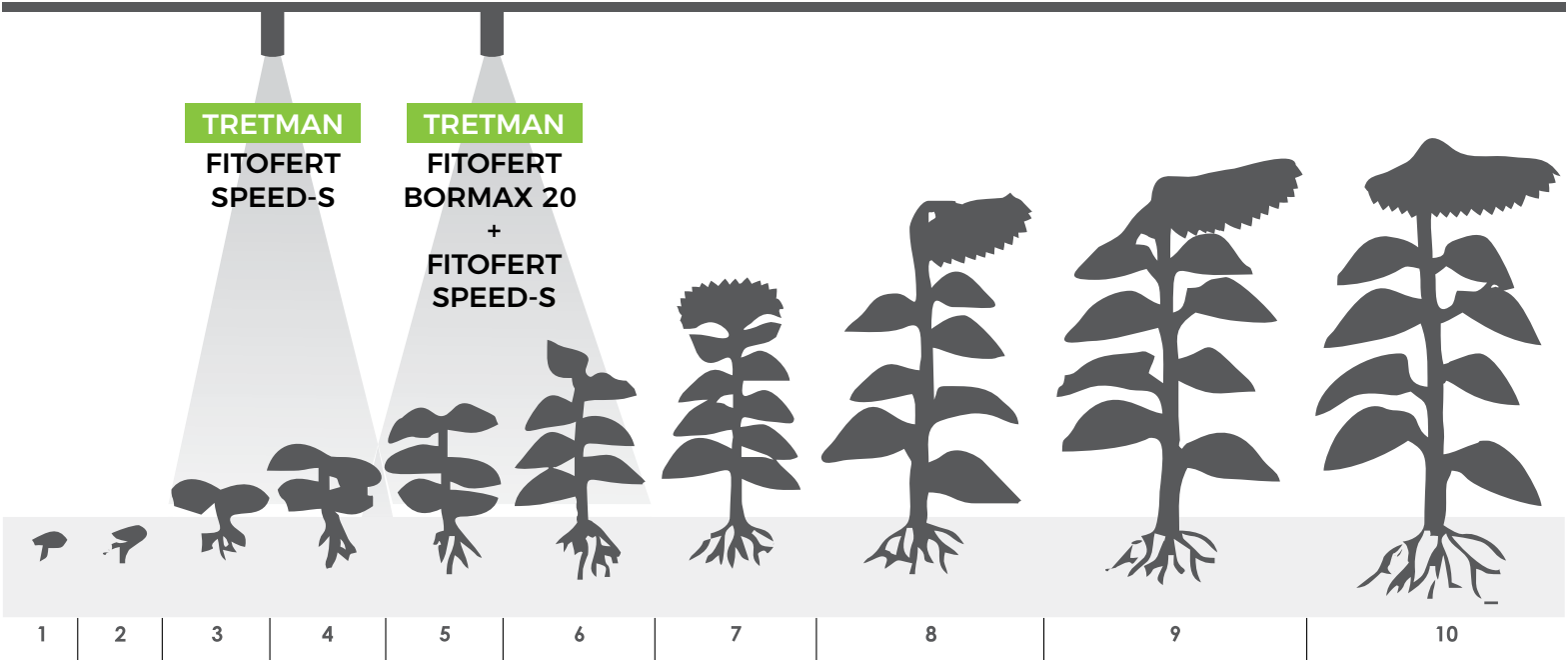
# SUNFLOWER

Sunflower is a plant characterized by very fast growth. For this reason, it is mostly possible to apply only one or two foliar treatments during vegetative stage, at the beginning of vegetation in combination with appropriate herbicide. Since sunflower is grown in places with more sunny days and less precipitation, of key importance is formation of strong and robust root system, which will be able to supply the plant with nutrients. In addition to the root system, high sunflower yield requires good pollination, therefore on soils deficient in boron (sandy soils) supplementary nutrition with FitoFert Bor Max 20 is recommended.



FOLIAR

STADIUM	FIRST PESTICIDE TREATMENT	BEFORE BUTTONIZATION
	<div><div>FITOFERT SPEED-S</div><div>3 l/ha</div></div>	<div><div>FITOFERT SPEED-S + FITOFERT BOR MAX 20</div><div>3 + 1 l/ha (kg/ha)</div></div>



Results of experiment and realized profit that is achieved with FITOFERT HUMISUPER PLUS and FITOFERT BORMAX 20 treatments.

Location	Control kg/ha	FITOFERT kg/ha	Difference kg/ha	NETO PROFIT
PSS Zrenjanin	13866	4181	315	7.450 din
Uljarice Bačka	2460	2650	190	3.700 din
PSS Sombor	4052	4470	418	10.540 din










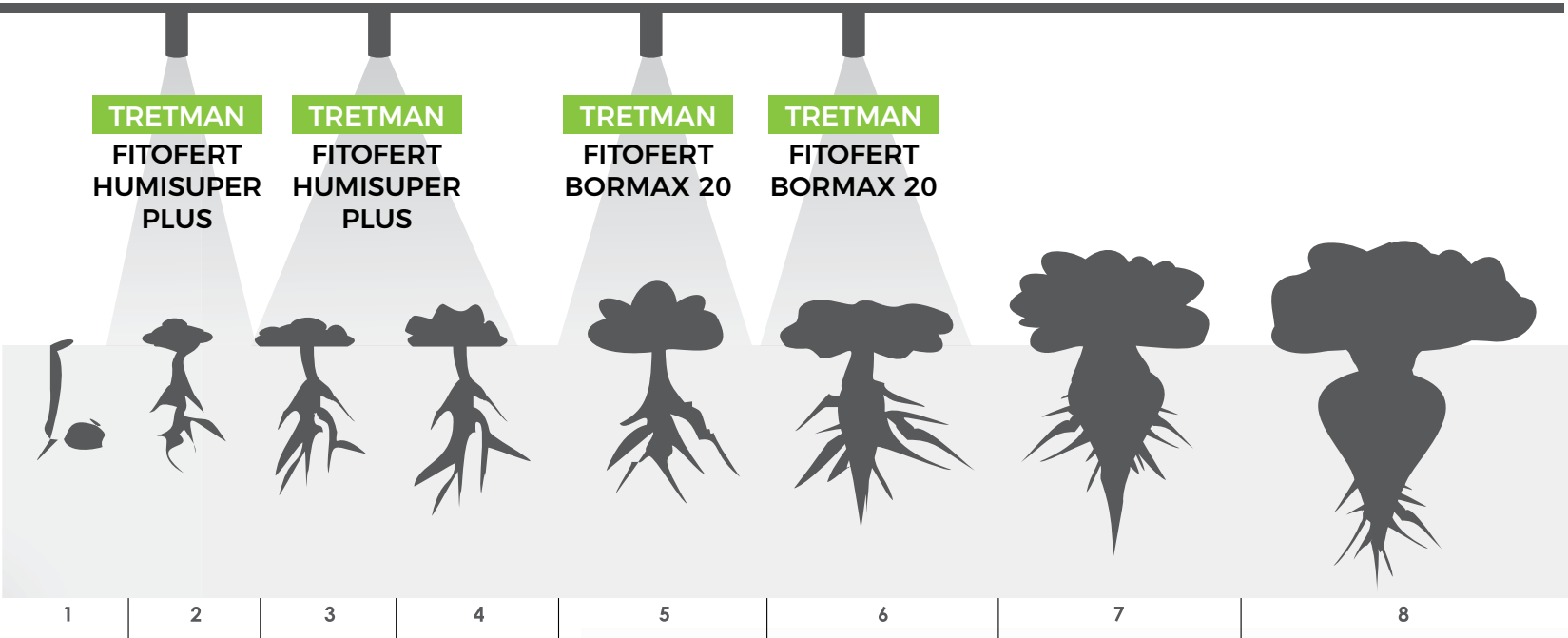


SUGAR  
BEET

Sugar beet has a prominent assimilation of potassium, magnesium and boron, therefore it is necessary to assist plants in initial development stages by applying foliar FitoFert fertilizers. Fertilization effects of FitoFert Bor Max 29 and foliar fertilizers in later treatments include better resistance to sugar beet heart rot and higher digestion rate (approximately 1-1,5 %).



STADIUM	DEVELOPMENT OF FIRST SET OF TRUE LEAVES	BEFORE CLOSURE OF ROWS	ROWS CLOSED												
	<table><tr><td>FITOFERT HUMISUPER PLUS</td><td>I/ha</td></tr><tr><td></td><td>4</td></tr></table>	FITOFERT HUMISUPER PLUS	I/ha		4	<table><tr><td>FITOFERT BOR MAX 20 + FITOFERT HUMISUPER PLUS</td><td>I/ha (kg/ha)</td></tr><tr><td></td><td>2 + 3</td></tr></table>	FITOFERT BOR MAX 20 + FITOFERT HUMISUPER PLUS	I/ha (kg/ha)		2 + 3	<table><tr><td>FITOFERT BOR MAX 20 + FITOFERT HUMISUPER PLUS</td><td>I/ha (kg/ha)</td></tr><tr><td></td><td>2 + 3</td></tr></table>	FITOFERT BOR MAX 20 + FITOFERT HUMISUPER PLUS	I/ha (kg/ha)		2 + 3
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	4														
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FITOFERT BOR MAX 20 + FITOFERT HUMISUPER PLUS	I/ha (kg/ha)														
	2 + 3														
															
															



Results of experiment and realized profit.

Location	DIG control kg/ha	DIG - FF:BORMAX 20	More payable beets	NETO PROFIT
PSS Ruma	13,09	14,29	5.8 T	17.600 din
Crvenka	13,65	14,93	5.6 T	16.800 din








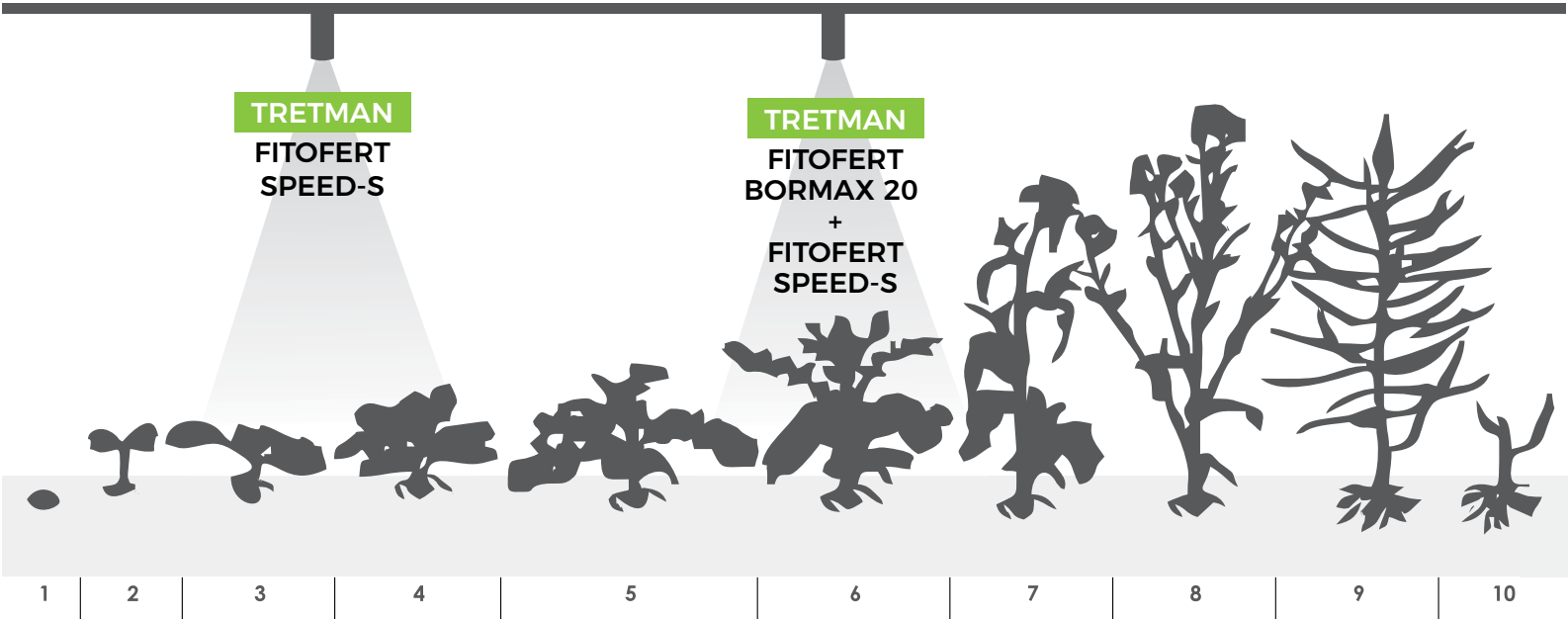
# RAPESEED

Like wheat, rapeseed is sown in autumn, and harvested the following summer. The most important thing at the beginning of vegetative stage is good rooting, essential as a deposit of boron, a micronutrient that makes cells more elastic so that they can endure frosts better, and which also plays an important role in pollination. The first treatment should be done in early spring, using both FitoFert Humisuper Plus and FitoFert Bor Max 20.



FOLIAR

STADIUM	AUTUMN TREATMENT	SPRING TREATMENT
	<div>l/ha (kg/ha)</div> <div>FITOFERT SPEED-S 3</div>	<div>l/ha (kg/ha)</div> <div>FITOFERT SPEED-S 3 + FITOFERT BOR MAX 20 1</div>
		
		





# IRRIGATION

## Correct usage of fertilizers through fertigation system

The irrigation system should be considered as a way of applying water-soluble and biostimulative nutrients so in that way intensive plant production should be controlled.

It is general recommendation for any system to have two separate fertigation canals due to incompatibility of some fertilizers. Possible solutions are suction connectors in front of the pump, or injection pumps, dispenser or venturi devices.

Concentration in working solution of crystal components should not be higher than 10%, i.e. products should be dissolved solely or in combination but maximum dosage should be 10 kg (of one or of all products together) per 100L of water. To achieve maximal dissolution fertilizers should be added in water with constant mixing.

Only exceptions are products that are with anhydrous formulations ( FITOFERT KRISTAL Mg-SUL). In this case recommended dosage is even lower, it is to 5% (5 kg/ 100L of water). Namely, this kind of formulations need more time and water to be dissolved.

Usually with the beginning of vegetation period phosphorus formulations are applied (Fitofert Kristal 10-40-10, or Fitofert Energy Root 5-55-10 -Tank A) in combination with biostimulators, which can be applied through separate fertigation canal (Bioflex L, Humistart, Humiflex -Tank B).

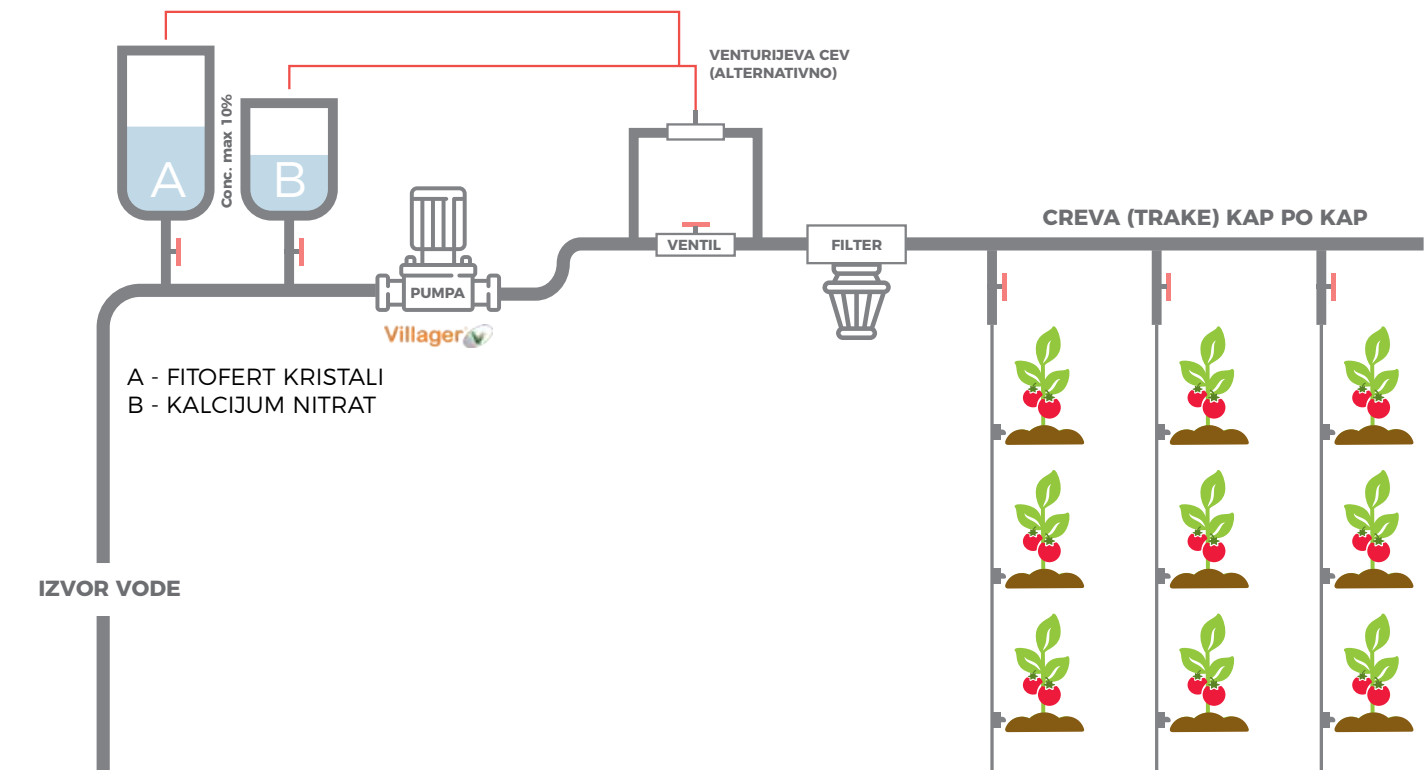
In the later period of vegetation most often within nutrition programs are special combinations adjusted to specific plant species (Tomato, Melon, Pepper, Berry) from tank A, and Calcium nitrate from tank B. It is desirable to use fertilizers from both tanks in the same time so the plant can be constantly provided with enough nutrients. In this way deficiency of nutrients is avoided, especially calcium deficiency which occurs often in plant production.

If it is needed to reduce pH value of the soil, it is recommended to use pH Green. This product can be dissolved in tank A with other fertilizers. The safest way to determine dosage for pH Green is to use titration until wanted pH is achieved. From our experience it is 10-30% calculated on amount of water soluble fertilizer that is used. High concentrations of pH Green are most often used in blueberry.

Usage of pH Green stands out due to its convenient and very safe application, also because it lowers EC value in hard waters. In this way it differs from acids that increases EC and make an osmotic competition with nutrients in nutrition solution. Control of pH value, especially with pH GREEN prolongate longevity of irrigation system because it prevents emitters plugging. Emitters plugging is a very common case when the water for irrigation is hard or salty.

It is very important to coordinate amount of water and total amount of fertilizers because it will directly influence EC and pH. Average dosage is around 1 kg of fertilizers on 1000 L of water, this dosage increases with increase of sun radiation, and other way around i.e. it decreases with cloudy weather. If the capacity of irrigation system per certain pressure per meter per work hour is known, time that is needed for application of certain amount of nutrition can be calculated. We can calculate this if we multiply mentioned factor with the total length of the system and result will be total time that is needed.

The sketching of the fertigation system below shows the principle of organization, the elements necessary for it proper exploitation and achievement of excellent production results.





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