

# Effective Growth

## Fertilizer Catalog



ASTRANOVA

*Desire More For Your Growth*



3 - 25 - 3 + TE

3 - 3 - 12 + TE

7 - 7 - 7 + TE

5-20-0+TE

HUMIC

ASTRAMIX



### GUARANTEED CONTENT

	3-25-3	3-3-12	7-7-7	5-20-0
Total Nitrogen (N)	3	3	7	5
Ammonium Nitrogen (N)	1	-	1,5	-
Nitrate Nitrogen (N)	1	1	2	-
Urea Nitrogen (N)	1	2	2	5
Water-Soluble Phosphorus Pentaoxide (P <sub>2</sub> O <sub>5</sub> )	25	3	7	20
Water-Soluble Potassium Oxide (K <sub>2</sub> O)	3	12	7	-
Water-Soluble Boron (B)	0,01	0,01	0,01	0,2
Water-Soluble Copper (Cu) EDHA	0,02	0,01	0,01	0,01
Water-Soluble Iron (Fe) EDHA	0,05	0,05	0,05	0,02
Water Soluble Manganese (Mn) EDHA	0,02	0,02	0,02	0,01
Water Soluble Molybdenum (Mo) EDHA	0,003	-	-	-
Water Soluble Zinc (Zn) EDHA	0,01	0,01	0,01	4
Derived from: Fe EDDHA; Mn EDTA; Cu EDTA; Zn EDTA pH Range	3-9	3-9	3-9	3-9

PLANTS	APPLICATION TIME	FOLIAR APP. (cc/da with 100L water)				DRIPPING (cc/da with 100 tonne water)			
		3-25-3	3-3-12	7-7-7	5-20-0	3-25-3	3-3-12	7-7-7	5-20-0
Tomato, Pepper, Cucumber, Eggplant, Watermelon, Melon, Zucchini	All development period	250-300	250-300	250-300	250-300	2	3-4	3-4	2
Strawberry	After fruit setting	150-200	250-300	250-300	150-200	2	3-4	3-4	2
Wineyard, Kiwi		200-250	250-300	250-300	200-250	2	3-4	3-4	2
Banana									
Citrus									
Cherry, Sourcherry, Peach, Apricot, Plum, Apple, Pear, Quince									
Olive		150-200	250-300	250-300	150-200	2	3-4	3-4	2
Corn, Sunflower									
Potato, Sugarbeet, Carrot	After emergence	150-200	250-300	250-300	150-200	2	3-4	3-4	2
Wheat, Barley, Paddy	During from tillering period	150-200	250-300	250-300	150-200	-	-	-	-
Cotton	Before occur gin	150-200	250-300	250-300	150-200	-	3-4	3-4	-
Bean, Chickpea, Lentil	From emergence to harvest	150-200	250-300	250-300	150-200	2	-	-	2
Nut, Walnut, Pistachio	From leaf stage to harvest	200-250	250-300	250-300	200-250	2-2,5	3-4	3-4	2-2,5
Leafy plant (Lettuce, Cabbage, Curly etc.) Onion, Garlic	During all of development period	150-200	250-300	250-300	150-200	2	-	-	2
Green Land, Cut Flower		150-200	250-300	250-300	150-200	-	-	-	-



### GUARANTEED CONTENT

### Humic

Organic matter	12
Total Humic Acid+Fulvic Acid	15
Water-Soluble Potassium Oxide (K <sub>2</sub> O)	4
Water-Soluble Copper (Cu) EDHA	0,01
Water Soluble Manganese (Mn) EDHA	0,02
Water Soluble Zinc (Zn) EDHA	0,01
Ph	9-11

Plants	APPLICATION TIME	From the soil (da)	From the soil (da)
FARM PLANTS Cereals, Corn, Soybean, Tobacco, Cotton, Forage Crops Sunflower, Sugar Beet etc.	Before planting: After preparing the soil for planting is applied. After Planting: Foliar application plants Application begins when 20 – 25 cm plant thickness is reached and Repeat after 20 days if necessary.	—	100-200 cc
VEGETABLES Tomato, Pepper, Eggplant, Cucumber, Bean, Pea, Zucchini, Melon, Watermelon, Onion Strawberry, Garlic, Carrot, Lettuce, Cabbage, Cauliflower, Celery, Potatoes, etc.	During transplanting of seedlings and vegetative growth During: Application when the plants reach 20-25 cm height. It is started and repeated after 20 days if necessary.	500-1000 cc	100-200 cc
NURSERIES AND GREENHOUSES Ornamental Plants, Other Vegetables etc.	Pre-planting: After the soil is prepared for planting is applied. Post-October: 20 days during vegetation applied at intervals	500 cc	100-150 cc
FRUITS Apple, Pear, Peach, Apricot, Quince, Cherry, Sour Cherry, Banana, Almond, Vineyard, Plum, Citrus Olive, Other Fruit Trees	Three practices are recommended: 1- Just before bud and flowering. 2- In fruit formation 3- The season when fruits continue to grow Application is made in the middle.	500-1000 cc	100-200 cc
GREEN FIELDS	20-30 day intervals starting from spring	—	100-150 cc



### GUARANTEED CONTENT

### Astramix

Water-Soluble Boron (B)	0,2
Water-Soluble Copper (Cu)	0,5
Water-Soluble Iron (Fe)	2
Water-Soluble Iron (Fe) EDHA	0,5
Water Soluble Manganese (Mn)	0,8
Water Soluble Manganese (Mn) EDHA	0,3
Water Soluble Molybdenum (Mo)	0,02
Water Soluble Zinc (Zn)	2
Water Soluble Zinc (Zn) EDHA	0,5
Derived from: Fe EDDHA; Mn EDTA; Cu EDTA; Zn EDTA pH Range	3-9

PLANTS	APPLICATION TIME	FOLIAR APP. (cc/da with 100L water)	DRIPPING (cc/da with 100 liters of water)
Tomato, Pepper, Cucumber, Eggplant,	From planting seedlings throughout the growing period	200 - 250	500 - 1000
Strawberry	From planting seedlings throughout the growing period	200 - 250	500 - 1000
Watermelon-Melon-Pumpkin	Starting from the period when the plants have 2-3 leaves	200 - 250	500 - 1000
Vineyard - Kiwi	1st application: Before flowering 2nd application: After fruit set	250 - 300	500 - 1000
Banana	3rd application: During the fruit growth period 4th application: Throughout the development period		
Hazelnuts, Walnuts, Pistachios	1st application: Before flowering 2nd application: After fruit set	250 - 300	500 - 1000
Apple, Pear, Quince	3rd application: During the fruit growth period 4th application: Throughout the development period		
Olive	1st application: Before flowering 2nd application: After fruit set 3rd application: During the fruit growth period 4th application: Throughout the development period	250 - 300	500 - 1000
Corn - Sunflower	1st application: When the plants reach 15-20 cm 2nd application: When the plants reach 40-50 cm	250 - 300	500 - 1000
Potato, Sugarbeet, Carrot	1st application: When the plants have 4-5 leaves 2nd application: During the tuber enlargement period	250 - 300	500 - 1000
Wheat, Barley, Paddy	From the time of fratermization	200 - 250	-
Cotton	Starting from the period when the plants have 3-4 leaves	200 - 250	500 - 1000
Onion, Garlic	1st application: When the plants have 4-5 leaves 2nd application: During the head enlargement period	200 - 250	500 - 1000
Beans, Chickpeas, Lentils	During the development period	200 - 250	500 - 1000
Vegetables with edible leaves (Lettuce, Lettuce, Cabbage, etc)	During the development period	200 - 250	500 - 1000
Green Fields - Cut Flowers	During the development period	200 - 250	500 - 1000

3 - 25 - 3 + TE

3 - 3 - 12 + TE

7 - 7 - 7 + TE

5 - 20 - 0 + TE

HUMİC

ASTRAMİX



### GUARANTEED CONTENT

	3-25-3	3-3-12	7-7-7
Total Nitrogen (N)	3	3	7
Ammonium Nitrogen (N)	1	-	1,5
Nitrate Nitrogen (N)	1	1	2
Urea Nitrogen (N)	1	2	2
Water-Soluble Phosphorus Pentaoxide (P <sub>2</sub> O <sub>5</sub> )	25	3	7
Water-Soluble Potassium Oxide (K <sub>2</sub> O)	3	12	7
Water-Soluble Boron (B)	0,01	0,01	0,01
Water-Soluble Copper (Cu) EDHA	0,02	0,01	0,01
Water-Soluble Iron (Fe) EDHA	0,05	0,05	0,05
Water Soluble Manganese (Mn) EDHA	0,02	0,02	0,02
Water Soluble Molybdenum (Mo) EDHA	0,003	-	-
Water Soluble Zinc (Zn) EDHA	0,01	0,01	0,01
Derived from: Fe EDDHA; Mn EDTA; Cu EDTA; Zn EDTA pH Range	3-9	3-9	3-9

PLANTS	APPLICATION TIME	FOLIAR APP. (cc/da with 100L water)				DRIPPING (cc/da with 100 tonne water)			
		3-25-3	3-3-12	7-7-7	5-20-0	3-25-3	3-3-12	7-7-7	5-20-0
Tomato, Pepper, Cucumber, Eggplant, Watermelon, Melon, Zucchini	All development period	250-300	250-300	250-300	250-300	2	3-4	3-4	2
Strawberry	After fruit setting	150-200	250-300	250-300	150-200	2	3-4	3-4	2
Wineyard, Kiwi		200-250	250-300	250-300	200-250	2	3-4	3-4	2
Banana		200-250	250-300	250-300	200-250	2-2,5	3-4	3-4	2-2,5
Citrus		200-250	250-300	250-300	200-250	2-2,5	3-4	3-4	2-2,5
Cherry, Sourcherry, Peach, Apricot, Plum, Apple, Pear, Quince		200-250	250-300	250-300	200-250	2-2,5	3-4	3-4	2-2,5
Olive		200-250	250-300	250-300	200-250	2-2,5	3-4	3-4	2-2,5
Corn, Sunflower	1. App: When the plants are 15-20 cm 2. App: When the plants are 40-50 cm	150-200	250-300	250-300	150-200	2	3-4	3-4	2
Potato, Sugarbeet, Carrot	After emergence	150-200	250-300	250-300	150-200	2	3-4	3-4	2
Wheat, Barley, Paddy	During from tillering period	150-200	250-300	250-300	150-200	-	-	-	-
Cotton	Before occur gin	150-200	250-300	250-300	150-200	-	3-4	3-4	-
Bean, Chickpea, Lentil	From emergence to harvest	150-200	250-300	250-300	150-200	2	-	-	2
Nut, Walnut, Pistachio	From leaf stage to harvest	200-250	250-300	250-300	200-250	2-2,5	3-4	3-4	2-2,5
Leafy plant (Lettuce, Cabbage, Curly etc.) Onion, Garlic	During all of development period	150-200	250-300	250-300	150-200	2	-	-	2
Green Land, Cut Flower		150-200	250-300	250-300	150-200	-	-	-	-



**GUARANTEED CONTENT**

**Humic**

Organic matter	12
Total Humic Acid+Fulvic Acid	15
Water-Soluble Potassium Oxide (K <sub>2</sub> O)	4
Water-Soluble Copper (Cu) EDHA	0,01
Water Soluble Manganese (Mn) EDHA	0,02
Water Soluble Zinc (Zn) EDHA	0,01
Ph	9-11

Plants	APPLICATION TIME	From the soil (da)	From the soil (da)
<b>FARM PLANTS</b> Cereals, Corn, Soybean, Tobacco, Cotton, Forage Crops Sunflower, Sugar Beet etc.	Before planting: After preparing the soil for planting is applied. After Planting: Foliar application plants Application begins when 20 – 25 cm plant thickness is reached and Repeat after 20 days if necessary.	—	100-200 cc
<b>VEGETABLES</b> Tomato, Pepper, Eggplant, Cucumber, Bean, Pea, Zucchini, Melon, Watermelon, Onion Strawberry, Garlic, Carrot, Lettuce, Cabbage, Cauliflower, Celery, Potatoes, etc.	During transplanting of seedlings and vegetative growth During: Application when the plants reach 20-25 cm height. It is started and repeated after 20 days if necessary.	500-1000 cc	100-200 cc
<b>NURSERIES AND GREENHOUSES</b> Ornamental Plants, Other Vegetables etc.	Pre-planting: After the soil is prepared for planting is applied. Post-October: 20 days during vegetation applied at intervals	500 cc	100-150 cc
<b>FRUITS</b> Apple, Pear, Peach, Apricot, Quince, Cherry, Sour Cherry, Banana, Almond, Vineyard, Plum, Citrus Olive, Other Fruit Trees	Three practices are recommended: 1- Just before bud and flowering. 2- In fruit formation 3- The season when fruits continue to grow Application is made in the middle.	500-1000 cc	100-200 cc
<b>GREEN FIELDS</b>	20-30 day intervals starting from spring	—	100-150 cc



**GUARANTEED CONTENT**

**Astramix**

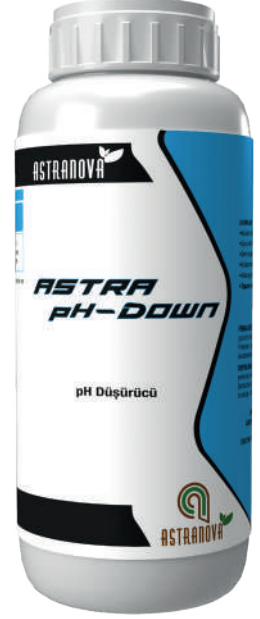
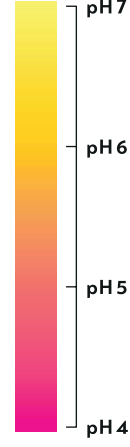
Water-Soluble Boron (B)	0,2
Water-Soluble Copper (Cu)	0,5
Water-Soluble Iron (Fe)	2
Water-Soluble Iron (Fe) EDHA	0,5
Water Soluble Manganese (Mn)	0,8
Water Soluble Manganese (Mn) EDHA	0,3
Water Soluble Molybdenum (Mo)	0,02
Water Soluble Zinc (Zn)	2
Water Soluble Zinc (Zn) EDHA	0,5
Derived from: Fe EDDHA; Mn EDTA; Cu EDTA; Zn EDTA pH Range	3-9

PLANTS	APPLICATION TIME	FOLIAR APP. (cc/da with 100L water)	DRIPPING (cc/da with 100 liters of water)
Tomato, Pepper, Cucumber, Eggplant,	From planting seedlings throughout the growing period	200 - 250	500 - 1000
Strawberry	From planting seedlings throughout the growing period	200 - 250	500 - 1000
Watermelon-Melon-Pumpkin	Starting from the period when the plants have 2-3 leaves	200 - 250	500 - 1000
Vineyard - Kiwi	1st application: Before flowering 2nd application: After fruit set 3rd application: During the fruit growth period 4th application: Throughout the development period	250 - 300	500 - 1000
Banana	1st application: Before flowering 2nd application: After fruit set 3rd application: During the fruit growth period 4th application: Throughout the development period	250 - 300	500 - 1000
Hazelnuts, Walnuts, Pistachios	1st application: Before flowering 2nd application: After fruit set 3rd application: During the fruit growth period 4th application: Throughout the development period	250 - 300	500 - 1000
Apple, Pear, Quince	1st application: Before flowering 2nd application: After fruit set 3rd application: During the fruit growth period 4th application: Throughout the development period	250 - 300	500 - 1000
Olive	1st application: Before flowering 2nd application: After fruit set 3rd application: During the fruit growth period 4th application: Throughout the development period	250 - 300	500 - 1000
Corn - Sunflower	1st application: When the plants reach 15-20 cm 2nd application: When the plants reach 40-50 cm	250 - 300	500 - 1000
Potato, Sugarbeet, Carrot	1st application: When the plants have 4-5 leaves 2nd application: During the tuber enlargement period	250 - 300	500 - 1000
Wheat, Barley, Paddy	From the time of fraternization	200 - 250	-
Cotton	Starting from the period when the plants have 3-4 leaves	200 - 250	500 - 1000
Onion, Garlic	1st application: When the plants have 4-5 leaves 2nd application: During the head enlargement period	200 - 250	500 - 1000
Beans, Chickpeas, Lentils	During the development period	200 - 250	500 - 1000
Vegetables with edible leaves (Lettuce, Lettuce, Cabbage, etc.)	During the development period	200 - 250	500 - 1000
Green Fields - Cut Flowers	During the development period	200 - 250	500 - 1000

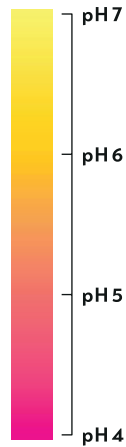
# ASTRA pH DOWN

The amount of **ASTRA pH-DOWN** used depends on the quality, properties and pH of the water used (See pH color scale).

USAFE RECOMMENDATIONS		
AREA OF USE	USAGE RECOMMENDATION	NOTES
pH Reducer Mixing Agent	Use 80-160 ml/100 liters of water to lower the pH from 8 to 4.5	Mix with water before adding a chemical.



# ASTRA pH FLEX



The amount of **ASTRA pH-FLEX** used depends on the quality, properties and pH of the water used (See pH color scale).

USAFE RECOMMENDATIONS		
AREA OF USE	USAGE RECOMMENDATION	NOTES
pH Reducer Spreader Adhesive Mixing Agent	Use 80-160 ml/100 liters of water to lower the pH from 8 to 4.5	Mix with water before adding a chemical.

# NORUS BORONOVA



## NUTRIENT CONTENT

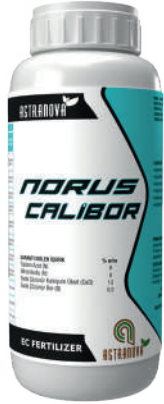
w/w

Water-Soluble Boron (B)

% 8

## AREA, TIME AND DOSAGE OF USE

PLANT	APPLICATION PERIOD	FOLIAR APP.	SOIL APP.
Tomato, Pepper, Cucumber, Eggplant, Watermelon, Melon, Zucchini	1st application: After planting seedlings 2nd application: 15 days after the first application	100 ml	300-500 ml
Strawberry	1st application: After planting seedlings 2nd application: 15 days after the first application	100 ml	300-500 ml
Wineyard, Kiwi	All development periods	100 ml	300-500 ml
Banana	During fruit ripening	100 ml	300-500 ml
Citrus	Before flowering after harvest	100 ml	400-500 ml
Cherry, Sourcherry, Peach, Apricot, Plum Apple, Pear, Quince	1st application: Before flowering 2nd application: After harvest	100 ml	300-500 ml
Olive	Before flowering	100 ml	400-500 ml
Corn, Sunflower	1st application: Before planting for soil 2nd application: In the period when the plant height is 15-20 cm	500 ml 100 ml	300-500 ml
Potato, Sugarbeet, Carrot	1st application: Before planting for soil 2nd application: In the period when the plant height is 15-20 cm	500 ml 100 ml	300-500 ml
Wheat, Barley, Paddy	Tillering period	100 ml	-
Cotton	Before occur cotton gin	100 ml	300-400 ml
Bean, Chickpea, Lentil	During the development period	100 ml	300-400 ml
Nut, Walnut, Pistachio	Before flowering	100 ml	300-500 ml
Leafy plant (Lettuce, Cabbage, Curly etc.)	Before planting or 10-15 days later after sprouting	100 ml	300-500 ml
Onion, Garlic	In the period when the plant height is 10-15 days	100 ml	300-500 ml
Canola	2nd application after the first 10 days at the beginning of development in the spring	75 ml	-



## NUTRIENT CONTENT

	w/w
Total Nitrogen (N)	% 8
Nitrate Nitrogen (N)	% 8
Water Soluble Calcium Oxide (CaO)	% 13
Water-Soluble Boron (B)	% 0,3

## AREA, TIME AND DOSAGE OF USE

PLANT	APPLICATION PERIOD	SOIL APP. (Whit Drip Irrigation)	FOLIAR APP.
GREENHOUSE AND OPEN FIELD VEGETABLES (Tomato, Pepper, Cucumber, Eggplant, Zucchini, Bean, Strawberry etc.)	Starting one week after the seedlings are transplanted, 3-4 applications are made until the fruit ripens.	1-2 l/da	200-250 ml/100 L Water
OVERWINTERED VEGETABLES (Lettuce, Cabbage, Spinach etc.)	3-4 applications during vegetation	1-2 l/da	200-250 ml/100 L Water
TUBER PLANTS (Potatoes, Onions etc.)	One application after the anchor, the second application after 15-20 days	1-2 l/da	200-250 ml/100 L Water
Melon, Watermelon, Zucchini	3-4 applications during vegetation	1-2 l/da	200-250 ml/100 L Water
ALL FRUIT TREES (Peach, Apricot, Cherry, Plum, Apple, Pear, Quince, Citrus Fruits, Olive, Vineyard, Hazelnut, Pistachio etc.)	3-4 applications during vegetation	2-2,5 l/da	250-300 ml/100 L Water
NUT FRUITS (Walnut, Chestnut, Pistachio, Almond, Hazelnut)	2-3 applications after flowering	1-2 l/da	250-300 ml/100 L Water
Avocado	2-3 applications after flowering	1-2 l/da	250-300 ml/100 L Water
Banana	3-4 applications starting one month after planting until fruit formation	1-2 l/da	250-300 ml/100 L Water
INDUSTRIAL PLANTS (Corn, Cotton, Sunflower etc.)	2-3 applications from the period when the plant height is 15-20 cm	1-2 l/da	150-200 ml/da
LEGUMES (Chickpea, Bean, Lentil, Soybean etc.)	2-3 applications during the development period	1-2 l/da	150-200 ml/da
GRAINS (Wheat, Barley, Paddy etc.)	Two applications during tillering and bolting	1-2 l/da	150-200 ml/da



## NUTRIENT CONTENT

	w/w
Total Nitrogen (N)	% 8
Ammonium Nitrogen (N)	% 2,5
Nitrate Nitrogen (N)	% 3
Urea Nitrogen (N)	% 2,5
Water Soluble Phosphorus (P <sub>2</sub> O <sub>5</sub> )	% 8
Water Soluble Potassium Oxide (K <sub>2</sub> O)	% 6

## AREA, TIME AND DOSAGE OF USE

PLANT	APPLICATION PERIOD	SOIL APP. (Whit Drip Irrigation)	FOLIAR APP.
GREENHOUSE AND OPEN FIELD VEGETABLES (Tomato, Pepper, Cucumber, Eggplant, Zucchini, Bean, Strawberry etc.)	After the first fruits 2-3 application	2-3 l/da	200-300 cc/100 L Water
OVERWINTERED VEGETABLES (Lettuce, Cab- bage, Spinach etc.)	After the first fruits 2-3 application	2-3 l/da	200-300 cc/100 L Water
TUBER PLANTS (Potatoes, Onions etc.)	At intervals of 15-20 days from the period when it has 4-6 leaves	2-3 l/da	200-300 cc/100 L Water
ALL FRUIT TREES (Peach, Apricot, Cherry, Plum Apple, Pear, Quince, Citrus Fruits, Olive, Vineyard, Hazelnut, Pistachio etc.)	During the development period	2-3 l/da	200-300 cc/100 L Water
INDUSTRIAL PLANTS (Corn, Cotton, Sunflower etc.)	At intervals of 15-20 days from the 5-6 leaf period	2-3 l/da	200-300 cc/100 L Water
ALL LEGUMES (Chickpeas, Beans, Lentils, Soy- beans, Sunflower et	At intervals of 15-20 days from the period when it has 4-6 leaves	2-3 l/da	200-300 cc/100 L Water
GRAINS (Corn, Wheat, Barley, Paddy etc.)	Tillering periods	2-3 l/da	200-300 cc/100 L Water
Green Lands	During the development period	2-3 l/da	200-300 cc/100 L Water
Melon, watermelon	During from planting to harvest	2-3 l/da	200-300 cc/100 L Water
Banana	During fruit ripening	2-3 l/da	200-300 cc/100 L Water

# ROOTER UP



## NUTRIENT CONTENT

	w/w
Total Nitrogen (N)	% 8
Ammonium Nitrogen (N)	% 2,5
Nitrate Nitrogen (N)	% 3
Urea Nitrogen (N)	% 2,5
Water Soluble Phosphorus (P <sub>2</sub> O <sub>5</sub> )	% 7
Water Soluble Potassium Oxide (K <sub>2</sub> O)	% 5

## AREA, TIME AND DOSAGE OF USE

PLANT	APPLICATION PERIOD	SOIL APP. (Whit Drip Irrigation)	FOLIAR APP.
GREENHOUSE AND OPEN FIELD VEGETABLES (Tomato, Pepper, Cucumber, Eggplant, Zucchini, Bean, Strawberry etc.)	After the first fruits 2-3 application	2-3 l/da	200-300 cc/100 L Water
OVERWINTERED VEGETABLES (Lettuce, Cab- bage, Spinach etc.)	After the first fruits 2-3 application	2-3 l/da	200-300 cc/100 L Water
TUBER PLANTS (Potatoes, Onions etc.)	At intervals of 15-20 days from the period when it has 4-6 leaves	2-3 l/da	200-300 cc/100 L Water
ALL FRUIT TREES (Peach, Apricot, Cherry, Plum Apple, Pear, Quince, Citrus Fruits, Olive, Vineyard, Hazelnut, Pistachio etc.)	During the development period	2-3 l/da	200-300 cc/100 L Water
INDUSTRIAL PLANTS (Corn, Cotton, Sunflower etc.)	At intervals of 15-20 days from the 5-6 leaf period	2-3 l/da	200-300 cc/100 L Water
ALL LEGUMES (Chickpeas, Beans, Lentils, Soy- beans, Sunflower etc)	At intervals of 15-20 days from the period when it has 4-6 leaves	2-3 l/da	200-300 cc/100 L Water
GRAINS (Corn, Wheat, Barley, Paddy etc.)	Tiiling periods	2-3 l/da	200-300 cc/100 L Water
Green Lands	During the development period	2-3 l/da	200-300 cc/100 L Water
Melon, watermelon	During from planting to harvest	2-3 l/da	200-300 cc/100 L Water
Banana	During fruit ripening	2-3 l/da	200-300 cc/100 L Water

# CROP SHIELD PLUS



## NUTRIENT CONTENT

w/w

Water Soluble Potassium Oxide (K<sub>2</sub>O)

% 25

## AREA, TIME AND DOSAGE OF USE

PLANT	APPLICATION PERIOD	SOIL APP. (Whit Drip Irrigation)	FOLIAR APP.
GREENHOUSE AND OPEN VEGETABLES (Tomato, Pepper, Cucumber, Eggplant, Bean, Strawberry etc.)	2-3 application after the first fruits	2-3 l/da	200-300 cc/100 L Water
OVERWINTERED LEAFY VEGETABLES (Lettuce, Cabbage, Spinach etc.)	2-3 application after the first fruits	2-3 l/da	200-300 cc/100 L Water
TUBER PLANTS (Potatoes, Sugarbeet, Onions etc.)	At intervals of 15-20 days from the period when it has 4-6 leaves	2-3 l/da	200-300 cc/100 L Water
Watermelon, Melon, Zucchini	From planting to harvest	2-3 l/da	200-300 cc/100 L Water
ALL FRUIT TREES (Peach, Apricot, Cherry, Plum Apple, Pear, Quince, Citrus Fruits, Olive, Vineyard, Hazelnut, Pistachio etc.)	All development stage	2-3 l/da	200-300 cc/100 L Water
Banana	During fruit ripening	2-3 l/da	200-300 cc/100 L Water
INDUSTRIAL PLANTS (Cotton, Sunflower, Corn etc.)	At intervals of 15-20 days from the 5-6 leaf period	2-3 l/da	200-300 cc/100 L Water
ALL LEGUMES (Chickpeas, Beans, Lentils, Soybeans, Sunflower)	At intervals of 15-20 days from the 3-4 leaf period	2-3 l/da	200-300 cc/100 L Water
GRAINS (Corn, Wheat, Barley, Paddy etc.)	During tillering periods	2-3 l/da	200-300 cc/100 L Water
Green Lands	All development stage	2-3 l/da	200-300 cc/100 L Water



## NUTRIENT CONTENT

	w/w
Total Nitrogen (N)	% 7
Nitrate Nitrogen (N-NO <sub>3</sub> )	% 7
Water Soluble Phosphorus Penta Oxide (P <sub>2</sub> O <sub>5</sub> )	% 11

## TIME AND DOSAGE OF USE

PLANT	APP. PERIOD	SOIL APP. With Drip Irrigation
Vegetables	3-4 applications with 20-day intervals starting 3 weeks after planting	0,5-1 l/da
Fruit Trees	1st app. before flower, after flower 2nd application, 3rd application in fruit formation	0,5-1 l/da
Citrus-Pomegranate	3-4 applications are made at 15-20 day intervals.	0,5-1 l/da
Banana	3-4 applications are made at 15-20 day intervals.	0,5-1 l/da
Melon,Watermelon	3-4 applications are made at 15-20 day intervals.	0,5-1 l/da
Strawberry	3-4 applications are made at 15-20 day intervals.	0,5-1 l/da
Potatoes, Onion	3-4 applications are made at 15-20 day intervals.	0,5-1 l/da
Cotton, Corn	With 4-6 leaves, before flowering, at fruiting time	0,5-1 l/da
Grains, Lentil	With 4-6 leaves, before flowering, at fruiting time	0,5-1 l/da
Cut Flower	3-4 applications are made at 15-20 day intervals.	0,5-1 l/da
Green Land	3-4 applications are made at 15-20 day intervals.	0,5-1 l/da

# AMINOCUTE



## NUTRIENT CONTENT

	w/w
Organik Madde	15
Organik Karbon	6
Organik Azot	2
Serbest Aminoasitler	10
pH	3,5 - 5,5

## TIME AND DOSAGE OF USE

PLANT	APP. PERIOD	SOIL APP. With Drip Irrigation	FOLIAR APP.
GREENHOUSE AND OPEN VEGETABLES (Tomato, Pepper, Cucumber, Eggplant, Zucchini, Bean, Strawberry etc.)	Flowering and fruiting period	1 lt/da	200-250 cc / 100 liter water
OVERWINTERED LEAFY VEGETABLES (Lettuce, Cabbage, Spinach etc.)	At intervals of 15-20 days from the period when it has 3-4 leaves	1 lt/da	200-250 cc / 100 liter water
TUBER PLANTS (Potatoes, Onions etc.)	It is applied during the leafy period and tuber formation period.	1 lt/da	200-250 cc / 100 liter water
ALL FRUIT TREES (Peach, Apricot, Cherry, Plum Apple, Pear, Quince, Citrus Fruits, Olive, Vineyard, Hazelnut, Pistachio etc.)	It is applied after the season harvest, during the flowering and fruiting period.	2 lt/da	200-250 cc / 100 liter water
INDUSTRIAL PLANTS (Cotton, Sunflower etc.)	At intervals of 15-20 days from the period when it has 5-6 leaves	1,5 lt/da	200-250 cc / 100 liter water
ALL LEGUMES (Chickpeas, Beans, Lentils, Soybeans, Sunflower)	At intervals of 15-20 days from the 5-6 leaf period	2 lt/da	200-250 cc / 100 liter water
GRAINS (Corn, Wheat, Barley, Paddy etc.)	Tillering period	2 lt/da	200-250 cc / 100 liter water
Green Lands	All development period	1 lt/da	200-250 cc / 100 liter water
Watermelon, Melon	12-13 leaf stages	1 lt/da	200 cc / 100 liter water



## NUTRIENT CONTENT

	w/w
Organic Matter	10
Total Nitrogen (N)	10
Nitrate Nitrogen (NO <sub>3</sub> -N)	10
Water-Soluble Calcium Oxide (CaO)	15
Water-Soluble Magnesium Oxide (MgO)	2
Water-Soluble Boron (B)	0,18
Water-Soluble Copper (Cu)	0,03
Water-Soluble Manganese (Mn)	0,11
Water-Soluble Molybdenum (Mo)	0,004
Water-Soluble Zinc (Zn)	0,02
Free Aminoacid	1,1

## AREA, TIME AND DOSAGE OF USE

PLANT	APPLICATION PERIOD	APP.DOSE
Apple and Pear	It is repeated when the fruits reach 2-3 cm in size and on the 7th and 14th days after the first application.	250
Cherry, Sourcherry	It is applied after 80% of the petals have fallen and 10 days after the white stage and coloration.	250
Citrus	It is applied at 40% sprouting, 70% sprouting, fruit set time. It is repeated in new sprouts.	300
Cotton	After flowering, full coverage is done. It is repeated at intervals of 2 weeks as needed.	500
Melon, W.melon, Cucumber, Zucchini	After flowering, full coverage is done. It is repeated at intervals of 2 weeks as needed.	400
Garlic, Onion	It is applied every two weeks from the graft period to the onset of tuber formation.	450
Banana	It is applied at intervals of 2 weeks if necessary.	250
Olive	It is applied at intervals of 2 weeks if necessary.	350
Corn	A single application is made during the bolting period.	400
Soybean, Pea, Peanut	Application is made after flowering and 10 days later.	300
Cut Flowering	It is applied once every 7-14 days as full coverage.	300
Potato	It is started to be applied in tuber formation. 3-4 applications are made at intervals of 7-14 days.	300
Wineyard	It can be applied after fruit set until the end of coloration.	250
Strawberry	It is repeated every 2 weeks until 2 weeks from flowering to the end of the harvest.	250
Sunflower	It is applied during the bolting period and after 1 week.	350
Tomato, Pepper	It is repeated every 2 weeks until 2 weeks from the first flowering to the end of the harvest.	250

## APPLICATION RECOMMENDATION FOR SOIL

Fruits	It can be applied in any period deemed necessary after fruit set.	700
Vegetables	It is repeated 4-5 weeks after planting the seedling and up to 2 weeks before the harvest as needed.	500

Effective Growth



Fertilizer Catalog

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