

Prolium Maxiforte Nimbus

Proffit K50 Fulvonet 24



antone-B Zenith Trans-Pol Gro

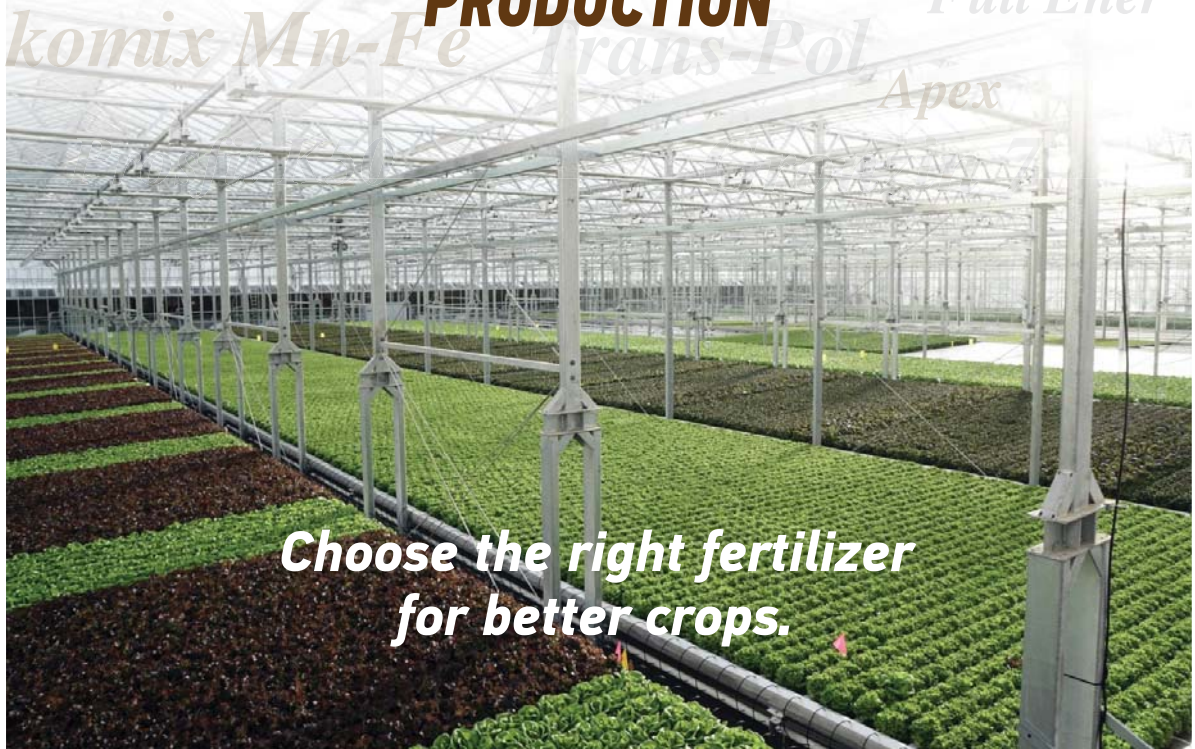
Noabses Full Energy 7 Calvin

Maxiforte Proffit K50 Maxiforte

**SOLUTIONS OF PROBLEMS
ENCOUNTERED IN GREENHOUSE
PRODUCTION**

Fulvonet 24 Zenith

komix Mn-Fe Trans-Pol Full Ener Apex



**Choose the right fertilizer
for better crops.**

PROBLEMS ENCOUNTERED IN TOMATO CULTIVATION AND SOLUTIONS WITH 2000 TARIM PRODUCTS (FOR AUTUMN CULTIVARS)

For planting in mid- to late summer, going from hot to cold

SEEDLING STAGE

PROBLEM 1

If the weather is extremely hot, the vegetative growth is fast, the root is weak and the plant stem is thin;

Drip Irrigation System (1000m²)

RATOON 15.....2,5 KG
+
0-30-40.....2 KG
+
FULLBASS 69.....1 KG

or

RATOON 15.....2,5 KG
+
FOLKAR-K.....1 LT
+
12-36-122 KG

Note: FOLKAR-K in this mixture also acts as vascular opener, trace element carrier and strengthener of the immune system of the plant against root diseases.

* If, in addition to PROBLEM 1, it cannot take root from peat due to excessive irrigation or soil structure (excessively clayey);

Before Drip Irrigation System(1000m²)

SULPHUR.....2-3 KG
+
CALVIN.....1-2 LT
+
NOABSES.....1 LT

After
1 day

RATOON 15.....2,5 KG
+
ZENITH.....1 LT
+
12-36-122 KG

* If the plant is like those listed in PROBLEM 1 and has a normal or thick stem;

Drip Irrigation System(1000m²)

DURAN2,5 LT
+
NOABSES.....1 LT
+
FERTILIZER



PROBLEM 2

If the vegetative development of the plant is weak for any reason (shock, soil structure, inappropriate tillage or use of improper chemicals), and if there is a virus risk;

Drip Irrigation System(1000m²)

SULPHUR.....3 KG
+
NOABSES1 LT
+
18-18-18 veya 20-20-202-3 Kg
+
PROFER 6 (Fe)100 Gr

2 days
After

SULPHUR.....3 Kg
+
20-20-203 Kg
+
ZENITH1 Lt
+
OrgAPEX-NK2 Kg

FOR PROBLEM 2, APPLICATION FROM TOP

a) For shock and hormone stress;

NOABSES200 cc/100 Lt. of Water
+
ZENITH150 cc/100 Lt. of Water

b) For vegetative growth and virus risk

NOABSES150 cc/100 Lt. of Water
+
NİMBUS 52200 Gr/100 Lt. of Water
+
PROMAX COMBI.....100 GR./100 Lt. of Water

PROBLEM 3

In case of nematodes, 1-2 days before chemical application for nematodes (to promote root growth and function)

Drip Irrigation System(1000m2)

ZENITH 1-2 LT
+
FULLBASS 69 1 LT
+
FERTILIZER

or

ZENITH 1-1,5 LT
+
NOABSES 1 LT
+
FERTILIZER

FOR PROBLEM 3, APPLICATION FROM TOP

ZENITH 150 cc / 100 LT of water
+
NOABSES 150-200 cc / 100 LT of water
+
FULL ENERGY 7 100 cc / 100 LT of water

PROBLEMS ENCOUNTERED IN TOMATO CULTIVATION AND SOLUTIONS WITH 2000 TARIM PRODUCTS (FOR AUTUMN CULTIVARS)

For planting in mid- to late summer, going from hot to cold

FLOWERING STAGE

PROBLEM 1

At this stage (autumn sowing), root development is very weak as compared to vegetative development. In order to accelerate root development, drip pipes should be removed 7-8 cm away from the root crown at the start of the flowering stage, in the first place. Then, with frequent fertilizer application, root development should be facilitated, and excessive vegetative growth should be prevented. Also, if the root development and function are weak at the beginning of the flower development, both pollination will be insufficient and the quality of the first growing fruits will be poor (puffy fruit, discoloration and malformation).

DRIP IRRIGATION SYSTEM (1000 m2)

DURAN2,5 - 5 LT
+
NOABSES1 LT
+
0-30-403-4 KG

or

FULLBASS 691 LT
+
DURAN2,5 - 5 LT
+
0-30-403-4 KG

or

TRANS-POL1 KG
+
FULLBASS 691-2 KG
+
0-30-403-4 KG

If, in PROBLEM 1, there is blossom drop or the flower stem turns yellow (abscisic acid accumulation) due to reasons such as shock, use of inhibitors, hormones, improper chemicals, etc;

DRIP IRRIGATION SYSTEM (1000 m2)

ZENITH1-2 LT
+
NOABSES1 LT
+
20-20-203-4 KG

or

NOABSES1 LT
+
CALVIN 2-3 LT
+
PROFER 6 (Fe)100-150 GR

For shock, hormone stress

Use of improper chemicals, excessive soil moisture

FOR PROBLEM 3, APPLICATION FROM TOP

NOABSES200 cc / 100 LT of Water
+
ZENITH100-150 cc / 100 LT of Water
+
PROMAX COMBI100-150 GR) / 100 LT of Water
or

NOABSES200 cc / 100 LT of water
+
CALVIN250-300 cc / 100 LT of water

Use of improper chemicals



PROBLEM 2

If the lateral growth of the plant is excessive, the leaves are wide and the flowers are half blooming;

DRIP IRRIGATION SYSTEM (1000 m2)

A

TRANS-POL	1 KG
FULLBASS 69.....	1 KG
16-8-24	2 KG
16-8-24.....	3 KG

B

FOLKAR-K.....	1-2 LT
DURAN.....	2,5 LT
16-8-24	3-4 KG

After
2 Days

PROLIUM 1-2 LT

FOR PROBLEM 2, APPLICATION FROM TOP

FOLKAR-K	200-300 cc / 100 LT of water
MAXIFORTE.....	200 GR / 100 LT of water

PROBLEM 3

If lateral growth of the plant is weak, and longitudinal growth and flowering are excessive;

DRIP IRRIGATION SYSTEM (1000 m2)

OrgAPEX-NK	2,5 LT	or	TRANS-POL	1 KG
RATOON 15.....	2,5 KG		RATOON 15.....	2,5 KG
NOABSES	1 LT		FULLBASS 69.....	1 KG
0-30-40	2-3 KG		0-30-40	2-3 KG

FOR PROBLEM 3, APPLICATION FROM TOP

TRANS-POL	150 GR / 100 Lt. of water	or	TRANS-POL	150 GR / 100 Lt. of water
MAXIFORTE.....	150 GR / 100 Lt. of water		NOABSES.....	200 cc / 100 Lt. of water



PROBLEM 4

If there is yellowing (iron-manganese) or improper chemical application, chemical stress, nematode or pythium in the plant;

DRIP IRRIGATION SYSTEM (1000 m2)

For Phytium; SUPKORCU.....	1 LT	later	GLUKOMIX Mn-Fe	2 LT	or	SULPHUR.....	3 KG
			NOABSES	1 LT		NOABSES.....	1-2 KG
			VEJETOL 29-5-10.....	2-3 KG		GLUKOMIX Mn-Fe.....	1-2 LT
						FERTILIZER	

FOR PROBLEM 4, APPLICATION FROM TOP

NOABSES	200 cc / 100 Lt. Suya
GLUKOMIX Mn-Fe	200 cc / 100 Lt. Suya

PROBLEMS ENCOUNTERED IN TOMATO CULTIVATION AND SOLUTIONS WITH 2000 TARIM PRODUCTS (FOR AUTUMN CULTIVARS)

For planting in mid- to late summer, going from hot to cold
FRUITING STAGE

PROBLEM 1

If there is fruit drop or the fruit stem turns yellow;

Cause: Excessive soil moisture, root drowning

DRIP IRRIGATION SYSTEM (1000 m2)

CALVÍN 2 LT
+
NOABSES..... 1-2 LT
+
18-18-18 4-6 KG
+
CALCIUM NITRATE 3-4 KG

Cause: The use of improper chemicals or foliar fertilizers (trace element burns), hypersensitivity of the varieties to the use of inhibitors, hormones or hormonal products, or if there is yellowing (abscisic acid accumulation);

DRIP IRRIGATION SYSTEM (1000 m2)

NOABSES 2 LT
+
CALVÍN 2-5 LT

Cause: Sudden change in the weather (sudden drop in humidity)

DRIP IRRIGATION SYSTEM (1000 m2)

NOABSES 1-2 LT
+
ZENITH 2 LT
+
FERTILIZER

FOR PROBLEM 1, APPLICATION FROM TOP

NOABSES..... 200 cc/100 LT of water
+
ZENITH 150 cc/100 LT of water or (PROMAX COMBI 100-150 GR.)
+
FULLY ENERGY 7 150-200 cc/100 LT of water



PROBLEM 2A

If fruit development is weak in the first fruits, development is not homogeneous, or leaf and shoot development is excessive;

DRIP IRRIGATION SYSTEM (1000 m2)

MAXIEND 10-7-17 5 KG
+
16-8-24 2 KG

or

MAXIEND 10-7-17 3-5 KG
+
16-8-24 2-3 KG
+
0-0-51 2 KG

FOR PROBLEM 2A, APPLICATION FROM TOP

ULTRA K30 200 cc/ 100 LT of Water
+
MAXIFORTE 200 GR/100 LT of Water

PROBLEM 2 B

If fruit development is poor and also the green parts of the plant are weak;

DRIP IRRIGATION SYSTEM (1000 m2)

SULPHUR 3 KG
+
TORK K15 3-5 KG
+
16-8-24 3-4 KG
+
Org APEX-NK.....2 LT

or

TORK 15 3-5 KG
+
16-8-24 3-4 KG
+
Org APEX-NK.....2 LT
+
NOABSES.....1 LT

FOR PROBLEM 2B, APPLICATION FROM TOP

MAXIFORTE 150-200 GR/100 LT of water
+
PROMAX COMBI 150 GR/100 LT of water
+
FULL ENERGY 7 150-200 cc/100 LT of water

PROBLEM 3

If there is cracking. The cause of cracking in green products is due to poor root development and function, and, along with this, leaving them without water for long periods and then watering (going beyond regular watering). Therefore, green and red cracking and softening will increase.

DRIP IRRIGATION SYSTEM (1000 m2)

NOABSES1-2 LT
+
CALVIN 3-5 LT
+
FERTILIZER..... 3-5 KG

or

ZENITH 2 LT
+
NOABSES 1-2 LT
+
16-8-24.....2-3 KG

FOR PROBLEM 3, APPLICATION FROM TOP

ZENITH 150 cc/ 100 LT of water
+
NOABSES 200 cc/100 LT of water



PROBLEM 4

If there is delay in fruit coloration (non-homogeneous coloration), whitefly damage, or root problems;

DRIP IRRIGATION SYSTEM (1000 m2)

MAXIEND 10-7-17..... 3-5 KG
+
MAXIFORTE..... 1 LT
+
GLUKOMIX Mn-Fe 2 LT
+
6-0-49 3-4 KG

or

SULPHUR.....3 KG
+
MAXIEND 10-7-17 5 KG
+
6-0-49 3-4 KG
+
GLUKOMIX Mn-Fe 2 LT

FOR PROBLEM 4, APPLICATION FROM TOP

MAXIFORTE 200 GR/ 100 LT of water
+
GLUKOMIX 200 cc/100 LT of water

or

MAXIFORTE 200 GR/ 100 LT of water
+
ULTRA K30 200-250 cc/ 100 LT of water

or

MAXIFORTE 200 GR/ 100 LT of water
+
GOLDEN Ka.Te.Se 400-500 cc/100 LT of water

If Enlargement Is Incomplete

If The Vegetative Part Is Strong

If The Fruit Is Large

PROBLEM 5

To ensure the coloring being minimally affected if there is corrugata at the fruit stage

DRIP IRRIGATION SYSTEM (1000 m2)

PROLIUM 2 LT
+
FOLKAR-K 2 LT

or

SUPKOR-Cu 1-2 LT

FOR PROBLEM 3, APPLICATION FROM TOP

SUPKOR-Cu 200 cc / 100 LT of water
+
FOLKAR-K 200 cc / 100 LT of water

PROBLEMS ENCOUNTERED IN TOMATO CULTIVATION AND SOLUTIONS WITH 2000 TARIM PRODUCTS (FOR SPRING CULTIVARS)

For winter or late winter planting, going from cold to hot

SEEDLING STAGE

PROBLEM 1

If there is a slowdown in seedling growth due to cold and virus

DRIP IRRIGATION SYSTEM (1000 m2)

ZENITH.....1-1,5 LT
+
NOABSES..... 1 LT
+
18-18-18 veya 20-20-20.....3-4 KG

FOR PROBLEM 1, APPLICATION FROM TOP (Cold and Virus)

ZENITH.....150 cc/100 of water
+
MAXÍFORTE..... 200 cc/100 of water

This mixture should be applied 2 times with 5-6 days intervals.



PROBLEM 2

Applications of hormone (Shock), inappropriate chemical spraying (Especially herbicides and subsurface chemicals)

DRIP IRRIGATION SYSTEM (1000 m2)

CALVİN..... 2-3 LT
+
CALCIUM NITRATE..... 2-3 KG
+
NOABSES 1-1,5 LT
+
18-18-18 3-4 KG

This mixture can be used for all periods.

FOR PROBLEM 2, APPLICATION FROM TOP

NOABSES200 cc/100 LT of water
+
FULL ENERGY 7..... 150 cc/100 LT of water
+
CALVİN..... 250-300 cc /100 LT of water

PROBLEM 3

Weak root growth (Weakness in capillary root hair formation)

DRIP IRRIGATION SYSTEM (1000 m2)

In normal and fine plants

ZENITH.....1-1,5 LT
+
RATOON 15..... 2,5 KG
+
18-18-18 2-2,5 KG

In normal and thick plants

DURAN 2,5 LT
+
NOABSES 1 LT
+
18-18-18 3 KG

PROBLEM 4

Especially when planted in soil with excessive moisture (mud);

DRIP IRRIGATION SYSTEM (1000 m²)

Before

CALVIN..... 2-3 LT
+
NOABSES..... 1-1,5 LT
+
18-18-18..... 3-4 KG

2-3
days
later

SULPHUR.....3 KG
+
GLUKOMIX Mn-Fe..... 1-2 LT
+
18-18-18..... 3-4 KG

FOR PROBLEM 4, APPLICATION FROM TOP

NOABSES veya MAXIFORTE 200 cc veya 200 GR/100 LT of water
+
ZENITH.....150 cc/100 LT of water

This mixture should be applied 2 times with 5-6 days intervals.

PROBLEM 5

If there is root rot;

DRIP IRRIGATION SYSTEM (1000 m²)

SUPKORCU..... 1 LT

or

FOLKAR-K..... 1-2 LT
+
CHEMICAL

PROBLEMS ENCOUNTERED IN TOMATO CULTIVATION AND SOLUTIONS WITH 2000 TARIM PRODUCTS (FOR SPRING CULTIVARS)

For winter or late winter planting, going from cold to hot

FLOWERING AND FRUITING STAGES

PROBLEM 1

If there is a delay in flowering and insufficiency of pollen;

DRIP IRRIGATION SYSTEM (1000 m²)

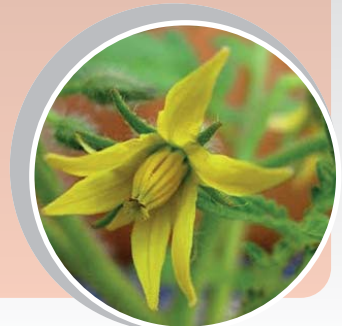
TRANS-POL..... 1 KG
+
NOABSES..... 1 LT
+
12-36-12..... 3-4 KG

FOR PROBLEM 1, APPLICATION FROM TOP

TRANS-POL.....150 GR/100 LT of water
+
NOABSES..... 150 cc/100 LT of water

If at the fruiting stage;

TRANS-POL.....150 GR/100 LT of water
+
MAXIFORTE..... 150-200 GR/100 LT of water



PROBLEM 2

If there is a risk of virus and impairment on top due to chemicals or plant growth regulators;

DRIP IRRIGATION SYSTEM (1000 m2)

ZENITH..... 2 LT
+
NOABSES..... 1 LT
+
20-20-20..... 4-5 KG

FOR PROBLEM 2, APPLICATION FROM TOP

ZENITH..... 150 cc/100 LT of water
+
NOABSES..... 200 cc/100 LT of water

This mixture should be applied 2 times with 5-6 days intervals.

PROBLEM 3

If the vegetative development of the plant is weak (the stem is thin), the root function is poor (fertilizer intake), fruit develops early;

DRIP IRRIGATION SYSTEM (1000 m2)

PROMAX COMBI..... 300 GR
+
RATOON 15..... 2,5 KG
+
NOABSES 1-2 LT
+
18-18-18 veya 20-20-20 3-4 KG

or

SULPHUR 3 KG
+
VEJETOL 29-5-10 2-3 KG
+
PROMAX COMBI 300 GR.

FOR PROBLEM 3, APPLICATION FROM TOP

PROMAX COMBI..... 100 GR/100 LT of water
+
NOABSES..... 200 cc/100 LT of water
+
FULL ENERGY 7..... 200 cc/100 LT of water

or

NİMBUS 52 200 GR/100 LT of water
+
NOABSES..... 200 cc/100 LT of water

This mixture should be applied 2 times with 6-7 days intervals.

PROBLEM 4

If there is discoloration in the leaf (carbohydrate accumulation) and purple top (at growth tip);

Cause: the amount of protein decreases and carbohydrate accumulation increases during the cold period.

DRIP IRRIGATION SYSTEM (1000 m2)

FULL ENERGY 7..... 1 LT
+
NOABSES 1 LT
+
FOLKAR-K 1-2 LT
+
16-8-24 5-6 KG

If there is purple top;

NOABSES..... 1 LT
+
FOLKAR-K..... 1-2 LT
+
16-8-24 6-7 KG

FOR PROBLEM 4, APPLICATION FROM TOP

NOABSES..... 200 cc/100 LT of water
+
ZENITH..... 150 cc/100 LT of water

This mixture should be applied 2 times with 6-7 days intervals.



PROBLEM 5

If the fruit growth is weak (at the end of winter)

Apply fertilizer in between walkways

POTASSIUM NITRATE..... 20-25 KG
+
CALCIUM NITRATE 10-15 KG

Then, water with a light flush.

DRIP IRRIGATION SYSTEM (1000 m2)

MAXİEND 10-7-17..... 3-5 KG
+
16-8-24..... 3-4 KG or 16-8-24..... 3-4 KG
+
GOLDEN Ka.Te.Se 2-2,5 LT
+
POTANİA-NK 2 KG
+
OrgAPEX-NK..... 2-3 LT

This application can be made 2 irrigation.
This practice also accelerates the coloring of ripe fruit.

FOR PROBLEM 5, APPLICATION FROM TOP

MAXİFORTE..... 200 GR/100 LT of water
+
ULTRA-K30..... 200 cc/100 LT of water or POTANİA-NK..... 250 GR/100 LT of water

PROBLEM 6

If there is fruit drop (abscisic acid accumulation);

Cause: Sudden change in the weather, transition from humid air to dry air.

DRIP IRRIGATION SYSTEM (1000 m2)

NOABSES..... 1 LT
+
ZENITH..... 2 LT
+
16-8-24 6 KG



TOMATO DISEASE AND PEST CONTROL

Foliar diseases and applications;

In case of the existence of *Clavibacter Michiganensis* sp, *Pseudomonas* sp, *Alternaria* sp, *Botrytis* sp, *Phytophthora* sp, *Pseudomonas Corrugata* , apply 200-250 cc SupKor-Cu per 100 lt water 1-3 days before and 2-4 days after the applications of chemicals. Repeat as required. **Kök Hastalıkları ve Uygulamalar** • *Fusarium* sp. • *Phyium* sp. • *Phytophthora* sp. • *Verticillium* sp. • *Clavibacter Michiganensis* sp.

Root diseases and applications

In case of the existence of *Fusarium* sp, *Phyium* sp, *Clavibacter Michiganensis* sp, *Phytophthora* sp, *Verticillium* sp, apply 1-2 liters SupKor-Cu for 1000 m2 from drip irrigation system. Repeat as needed.

Root diseases and applications

Apply 150-300 gr SULPHUR per 100 lt water

TOMATO FOLIAR PESTS AND APPLICATIONS

First, fill the chemical application tool (pH adjustment, spreader-binder, etc.) with 2000 CO-MUT /100 cc / 100 lt water before the insecticides. Then add 2000 OCTIL, which prevents chitin synthesis in insects, to 50 cc / 100 lt water. Then apply after adding the pesticides.

PROBLEMS ENCOUNTERED IN TOMATO CULTIVATION AND SOLUTIONS WITH 2000 TARIM PRODUCTS (FOR WINTER CULTIVARS)

(Planting time in autumn until summer.

For planting from moderate, slightly cooler to hot temperatures)

SEEDLING STAGE

PROBLEM 1

Seedling dipping. Dip seedlings into water with 70-80 cc SupKor-Cu per 20 liters.

(GRAFTED) Planting rules must be followed in order to avoid disease transmission from grafting sites, which must remain above the soil level. Additionally, in order to prevent disease transmission and to open the veins;



DRIP IRRIGATION SYSTEM (1000 m2)

CHEMICAL + FOLKAR-K 1-2 LT or SUPKOR-Cu.....1 LT

FOR PROBLEM 1, APPLICATION FROM TOP

FOLKAR-K 200 cc/100 LT of water + PROLIUM 200-300 cc/100 LT of water or SUPKORCU..... 200-250 cc/100 LT of water

PROBLEM 2

If there is an excessive longitudinal growth of the plant stem, make sure to carry out fertilization frequently depending on the variety and the greenhouse conditions.

If the plant is thin and growing fast;

DRIP IRRIGATION SYSTEM (1000 m2)

FULLBAS 69 1 KG + RATOON 15 2,5 KG or OrgAPEX-NK 2 LT
0-30-40 2-3 KG + RATOON 15 2,5 KG
0-30-40 2-3 KG +

If it is growing normally or thick;

DRIP IRRIGATION SYSTEM (1000 m2)

DURAN 2,5 LT + 0-30-40 2 KG or DURAN 20 2,5 LT
FOLKAR-K 1 LT + FULLBAS 69 1 KG
OrgAPEX-NK 2 LT + 0-30-40 2-3 KG

FOR PROBLEM 2, APPLICATION FROM TOP

MAXIFORTE150-200 GR/100 LT of water + FOLKAR-K 250-300 cc/100 LT of water or FULLBAS 69.....200-250 GR/100 LT of water
2 Application every 5 days

PROBLEMS ENCOUNTERED IN TOMATO CULTIVATION AND SOLUTIONS WITH 2000 TARIM PRODUCTS (FOR WINTER CULTIVARS)

(Planting time in autumn until summer.
For planting from moderate, slightly cooler to hot temperatures)

FLOWERING STAGE

PROBLEM 1

If the pedicles are not fully formed, the stems of those which are formed turn yellow and there is dropping due to shock, inhibitors, hormones and similar reasons (abscisic acid accumulation). At the same time, in cases where the flowers may bloom early before the root and vegetative part are ready for pollination (inhibitor, etc.).

DRIP IRRIGATION SYSTEM (1000 m2)

CALVIN 2-3 LT
+
NOABSES 1-2 LT
+
CALCIUM NITRATE 3-4 KG
+
PROFER 6 (Fe).....150-200 GR

After
2 days

ZENITH 1-2 LT
+
NOABSES 1 LT
+
20-20-20 veya 18-18-18 5 KG
+
OrgAPEX-NK 2 LT

FOR PROBLEM 1, APPLICATION FROM TOP

NOABSES 200 cc/100 LT of water
+
FULL ENERGY 7 100 cc/100 LT of water
+
ZENITH.....150 cc/100 LT of water



PROBLEM 2

If the plant is thin and has rapid longitudinal growth;

DRIP IRRIGATION SYSTEM (1000 m2)

FULLBASS 69 1 KG
+
RATOON 15 2,5 KG
+
0-30-40 2 KG
+
ZENITH 1-2 LT

or

FULLBASS 69 1 KG
+
RATOON 15 2,5 KG
+
OrgAPEX-NK 2-2,5 LT
+
ZENITH 1-2 LT

If the plant is normal or growing a little thick;

DRIP IRRIGATION SYSTEM (1000 m2)

DURAN 2,5 LT
+
0-30-40 3-4 KG
+
FOLKAR-K 1 LT

or

DURAN 2,5 LT
+
FULLBASS 69 1-2 KG
+
0-30-40 3-4 KG

FOR PROBLEM 2, APPLICATION FROM TOP

If the plant is thin and has rapid longitudinal growth;

MAXÍFORTE 100-150 GR/100 LT of water
+
TRANS-POL 150 GR/100 LT of water

or

MAXÍFORTE 150-200 GR/100 LT of water
+
PROMAX COMBI 100 GR/100 LT of water
+
FULL ENERGY 7 150-300 cc/100 LT of water

If the plant is normal or growing a little thick;

MAXÍFORTE 200 GR/100 LT of water
+
FOLKAR-K 250-300 cc/100 LT of water

or

FULLBASS 69 200-250 GR/100LT of water
+
FOLKAR-K 250-300 cc/100 LT of water

PROBLEM 3

If there is delay in flowering, shortage of pollen or poor development, pollination problems;

DRIP IRRIGATION SYSTEM (1000 m²)

18-18-18 3 KG
+
0-30-40 3-4 KG
+
TRANS-POL 1KG

or

TRANS-POL 1 KG
+
FULLBASS 69 1-2 KG
+
0-30-40 4 KG

FOR PROBLEM 1, APPLICATION FROM TOP

NOABSES 150 cc/100 LT of water
+
TRANS-POL 150 GR/100 LT of water

or

MAXIFORTE 100-150 GR/100 LT of water
+
TRANS-POL 150 GR/100 LT of water



PROBLEM 4

Thinning, excessive longitudinal growth, breakage or twisting (distortion) in flower-fruit stem

DRIP IRRIGATION SYSTEM (1000 m²)

NOABSES 1 LT
+
TRANS-POL 1 KG
+
0-30-40 5-6 KG
+
OrgAPEX-NK 2-3 LT

FOR PROBLEM 4, APPLICATION FROM TOP

NOABSES 150-200 cc/100 LT of water
+
TRANS-POL 150 GR/100 LT of water

or

FULLBASS 69 200 GR/100 LT of water

As it facilitates the pollen formation, this mixture also speeds up the feeding (working) of the bee.

PROBLEM 5

(For flowering and fruiting stages) Leaf blades turning slightly yellow during the cold period

Cause: Increased carbohydrate accumulation (cold-dry weather), chemical stress, water stress, weakening of root development and activity (Prolongation of root development period)

1. Application

DRIP IRRIGATION SYSTEM (1000 m²)

NOABSES 1-1,5 LT
+
ZENITH 2 LT
+
18-18-18 6 KG
+
FULL ENERGY 7 1 LT

2. Application

DRIP IRRIGATION SYSTEM (1000 m²)

SULPHUR 3 KG
+
18-18-18 6 KG
+
MAGNESIUM SULFATE or MAGNESIUM NITRATE 2,5 KG
+
GLUKOMIX Mn-Fe 2 LT

FOR PROBLEM 5, APPLICATION FROM TOP

NOABSES 200 cc/100 LT of water
+
GLUKOMIX Mn-Fe 250 cc/100 LT of water

This mixture should be applied 2 times with 6-7 days intervals.

PROBLEM 6

(For flowering and fruiting stages) If there is calyx tip burn;

Cause: Sudden change in humidity, prolongation of root development period (capillary root hair development), excessively and incorrectly applied chemicals, etc.

DRIP IRRIGATION SYSTEM (1000 m²)

TRANS-POL 1-2 KG
+
NOABSES 1-2 LT
+
18-18-18 5-6 KG

or

CANTONE-B 2-3 LT
+
NOABSES 1-1,5 LT
+
18-18-18 6 KG

FOR PROBLEM 6, APPLICATION FROM TOP

NOABSES 200 cc/100 LT of water
+
TRANS-POL 150 GR/100 LT of water

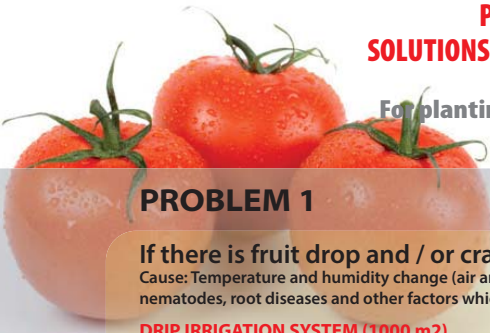
This mixture should be applied 2 times with 6-7 days intervals.

PROBLEMS ENCOUNTERED IN TOMATO CULTIVATION AND SOLUTIONS WITH 2000 TARIM PRODUCTS (FOR WINTER CULTIVARS)

(Planting time in autumn until summer.

For planting from moderate, slightly cooler to hot temperatures)

FRUITING STAGE



PROBLEM 1

If there is fruit drop and / or cracking;

Cause: Temperature and humidity change (air and soil), application of improper chemicals and inappropriate fertilization, nematodes, root diseases and other factors which cause plant aging (abscisic acid accumulation in the fruit stem)

DRIP IRRIGATION SYSTEM (1000 m2)

ZENITHN 2 LT
 +
 NOABSES 1-2 LT
 +
 FERTILIZER

This mixture should be given, in case of nematodes, 2-3 days before or after, and, in case of disease, 3-4 days after chemical application.

If the plant was subject to excessive watering or it is left without water for long periods and then watered;

DRIP IRRIGATION SYSTEM (1000 m2)

NOABSES 1,5-2 LT
 +
 CALVIN 4-5 LT
 +
 18-18-18 6 KG
 +
 PROFER 6 150 GR

FOR PROBLEM 4, APPLICATION FROM TOP

NOABSES 200 cc/100 LT of water
 +
 ZENITH 150 cc/100 LT of water

If there is a problem with irrigation

NOABSES 200 cc/100 LT of water
 +
 CALVIN 200-300 cc/100 LT of water



PROBLEM 2

If there are fruit deformities;

Cause: Pollination failures (insufficient pollen, unpollinated fruit), root deficiency, malnutrition, etc.

DRIP IRRIGATION SYSTEM (1000 m2)

TRANS-POL 1-1,5 KG
 +
 16-8-24 6 KG
 +
 MAXIFORTE 1 KG

or

TRANS-POL 1-2 KG
 +
 16-8-24 6 KG
 +
 FULLBASS 69 1-2 KG

In root deficiency;

DRIP IRRIGATION SYSTEM (1000 m2)

NOABSES 1,5-2 LT
 +
 ZENITH 2 LT
 +
 16-8-24 6 KG

If there are root diseases, etc. and vascular occlusion;

DRIP IRRIGATION SYSTEM (1000 m2)

NOABSES 1,1,5 LT
 +
 FOLKAR-K 1,5-2 LT
 +
 16-8-24 6 KG

or

SUPKOR-Cu 1-2 LT

FOR PROBLEM 2, APPLICATION FROM TOP

If there are pollination problems;

MAXIFORTE 150 GR/100 LT of water
 +
 TRANS-POL 125 GR/100 LT of water

This mixture should be applied 2 times with 6-7 days intervals.

If there are fruit deformities caused by nutrition;

ULTRA K30 2 LT
 +
 FULLBASS 69 1-2 KG
 +
 16-8-24 5-6 KG

PROBLEM 3

If the fruit becomes brittle;

Cause: Sudden change in humidity and temperature, improper chemical application, unbalanced irrigation and root drowning, delay in the development of capillary roots, etc.

DRIP IRRIGATION SYSTEM (1000 m2)

ZENITH 1-2 LT
+
NOABSES 1-1,5 LT
+
FULL ENERGY 7 1 LT
+
16-8-24 6 KG

This mixture should be applied twice with 15 days intervals.

FOR PROBLEM 3, APPLICATION FROM TOP

ZENITH 150 cc/100 LT of water
+
NOABSES 200 cc/100 LT of water
+
FULL ENERGY 7 150 cc/100 LT of water

This mixture should be applied 2 times with 1 week intervals.

PROBLEM 4

Lack of homogeneity in the development (growth) of the fruits in and between the clusters

DRIP IRRIGATION SYSTEM (1000 m2)

SULPHUR 3 KG
+
MAXIEND 10-7-17 5 KG
+
FULLBASS 69 1 KG
+
ZENITH 1-2 LT

or

MAXIEND 10-7-17 4-5 KG
+
ZENITH 1-2 LT
+
NOABSES 1-1,5 LT
+
OrgAPEX-NK 2,5 LT

FOR PROBLEM 4, APPLICATION FROM TOP

MAXIFORTE 200 GR/100 LT of water
+
ZENITH 150 cc/100 LT of water

This mixture should be applied 2 times with 6-7 days intervals.

PROBLEM 5

Fruit coloration problems, delay in coloration, non-uniform coloration

1. Application

DRIP IRRIGATION SYSTEM (1000 m2)

MAXIEND 10-7-17 4-5 KG
+
GLUKOMIX Mn-Fe 1-2 LT
+
6-0-49 2-3 KG

2. Application

DRIP IRRIGATION SYSTEM (1000 m2)

MAXIEND 10-7-17 4-5 KG
+
POTANIA-NK 2 KG
+
6-0-49 3-4 KG

FOR PROBLEM 5, APPLICATION FROM TOP

MAXIFORTE 200 GR/100 LT of water
+
ULTRA - K30 200 cc/100 LT of water

or

POTANIA-NK 250 GR/100 LT of water

For homogeneous coloring

MAXIFORTE 200 GR/100 LT of water
+
GLUKOMIX Mn-Fe 200-250 cc/100 LT of water

This mixture should be applied 2 times with 6-7 days intervals.

For fast coloring

MAXIFORTE 200 GR/100 LT of water
+
GOLDEN Ka.Te.Se 400-1000 cc/100 LT of water

This mixture should be applied 2 times with 6-7 days intervals.



PROBLEM 6

Yellow-red color formation, especially due to whitefly damage

DRIP IRRIGATION SYSTEM (1000 m2)

SULPHUR 3 LT
+
GLUKOMIX Mn-Fe 2 LT
+
FULL ENERGY 7 1-2 LT
+
16-8-24 6 KG

or

FOLKAR-K 2 LT
+
MAXIFORTE 1 KG
+
ULTRA - K30 1-2 LT

FOR PROBLEM 6, APPLICATION FROM TOP

MAXIFORTE 200 GR/100 LT of water
+
FOLKAR-K 250-300 cc/100 LT of water
+
FULL ENERGY 7 150 cc/100 LT of water

This mixture should be applied 2 times with 6-7 days intervals.

PROBLEM 7

If cracking occurs in the stem of ripe fruits;

FOR PROBLEM 3, APPLICATION FROM TOP

During periods of rapid change in the weather or irrigation conditions, apply

NOABSES 200 cc/100 LT of water
 +
 CALVÍN 300 cc / 100 LT of water
 +
 CHEMICAL



PROBLEM 8

If blossom-end rot exists;

DRIP IRRIGATION SYSTEM (1000 m2)

NOABSES 1-2 LT
 +
 CALVÍN 2-4 LT
 +
 FERTILIZER

FOR PROBLEM 7, APPLICATION FROM TOP

NOABSES 200 cc/100 LT of water
 +
 CALVÍN 300 cc/100 LT of water

This mixture should be applied 2 times with 5-6 days intervals.

PROBLEM 9

During periods of transition from cold to spring time, thinning of the apical development, dormancy, lack of fruit enlargement due to excessive fruit formation, etc.

Apply fertilizer in between walkways (POTASSIUM NITRATE 20-25 KG + CALCIUM NITRATE 10-15 KG)

Water with a light flush.

After :

DRIP IRRIGATION SYSTEM (1000 m2)

18-18-18 veya 20-20-20 6 KG
 +
 NOABSES 1,5-2 LT
 +
 ZENİTH 2 LT
 +
 OrgAPEX-NK 2,5 LT

or

SULPHUR 3 KG
 +
 NOABSES 1-2 LT
 +
 16-8-24 2 KG

FOR PROBLEM 9, APPLICATION FROM TOP

NIMBUS 52 200-250 GR/100 LT of water
 +
 FULL ENERGY 7 200 cc/100 LT of water

or

NOABSES 150 cc/100 LT of water
 +
 MAXİFORTE 150 GR/100 LT of water
 +
 PROMAX COMBI 80 GR/100 LT of water

PROBLEM 10

If there is the problem of loosening or softening in the green fruit or that which has just begun to color;

DRIP IRRIGATION SYSTEM (1000 m2)

6-0-49 6-7 KG
 +
 MAXİFORTE 1 LT
 +
 GRONZİN L7 1-2 LT

5 days later

CALCIUM NITRATE 2-3 KG
 +
 CALVİN 2-2,5 LT
 +
 NOABSES 1 LT
 +
 PROFER 6 (Fe) 150 GR

FOR PROBLEM 10, APPLICATION FROM TOP

MAXİFORTE 200 GR/100 LT of water
 +
 CALVİN 250-300 cc/100 LT of water

or

NOABSES 200 cc/100 LT of water
 +
 CALVİN 250-300 cc/100 LT of water

PROBLEM 11

Blackening in the fruit, thickening of the skin, blackening in the seed, etc.

DRIP IRRIGATION SYSTEM (1000 m2)

TRANS-POL 1 KG
+
NOABSES 1-1,5 LT
+
FERTILIZER

FOR PROBLEM 11, APPLICATION FROM TOP

If there is blackening in the fruit and / or blackened seeds, nutrient deficiency (boron), hormonal imbalance (plant adaptation to climate conditions), abscisic acid accumulation, etc.

TRANS-POL 150 GR/100 LT of water
+
NOABSES or MAXIFORTE 250 cc-200 GR/100 LT of water

If there is thickening in the fruit skin;

Cause: Disease (Bacterial, viral) or nutrient deficiency, stress

ZENITH 150 cc/100 LT of water
+
NOABSES or MAXIFORTE 200 cc veya 200 GR/100 LT of water
+
FULL ENERGY 7 200 cc/100 LT of water



PROBLEM 12

If, in grafted tomatoes (especially in double grafts), grafting sites (crotch) are contaminated with *Fusarium* sp. and there is blackening (abscisic acid accumulation) in the main root fibers due to root taking in the soil over the grafting sites;

DRIP IRRIGATION SYSTEM (1000 m2)

FOLKAR-K 1-3 LT
+
CHEMICAL

or

SUPKOR CU 1 LT
2-3
days later

NOABSES 1-2 LT
+
GLUKOMIX Mn-Fe 1 LT
+
GRONZIN L7 1-2 LT
+
FERTILIZER

PROBLEM 13

If there is contamination or possibility of contamination by *P. corrugata* in plants which have thickened and / or softened stem due to excessive use of phosphorus and organic nitrogen (organic matter), lack of fertilizer, excessive irrigation, and insufficient light;

DRIP IRRIGATION SYSTEM (1000 m2)

PROLIUM 1-3 LT
+
PROSFIT-K50 2 LT

or

SUPKOR CU 1 LT
2-3 days
later

6-0-49 6-6,5 KG
+
GRONZIN L7 1-2 LT
+
GLUKOMIX Mn-Fe 1-2 LT

FOR PROBLEM 13, APPLICATION FROM TOP

FOLKAR-K 250-300 cc/100 LT of water
+
PROLIUM 200-250 cc/100 LT of water

or

SUPKOR CU 200-250 GR/100 LT of water

This mixture should be applied 2 times with 6-7 days intervals.

FACTORS TO BE TAKEN INTO CONSIDERATION IN THE CULTIVATION OF GRAFTED TOMATO



CAUTION 1

To carry out grafting, rootstock must be selected according to soil structure.

If the soil is water-permeable, sandy or silty soil, strong (medium strong to very strong) rootstocks with roots extending down to the base should be selected.

If the soil is waterproof, clay soil, medium strong rootstocks should be selected. With these selections it is intended to protect the plant health, fruit color and shape.

CAUTION 2

In order to protect the fruit color and to prevent the fumagine and ToC viruses, whitefly combat should be undertaken starting from seedbed. Although resistant to TYLC (yellow leaf curl) virus, Azra F1 may also be potentially affected by the virus, depending on the whitefly population, or it may have an excessive virus density.

Growth of the plant continues, even if the highly virus-resistant varieties may have been infected by TYLC virus, however, this is slower than a normal non-infected plant. Further, during the fruit growth period, the whitefly, in addition to carrying viruses, affects, with its secretions, the color pigments and enzyme secretions in the plant depending on certain factors (weather conditions, very strong rootstock, soil-rootstock incompatibility, inhibitor and use of hormones).

As a result, non-homogeneous coloring and tough skinned fruit is formed.

Therefore, whitefly combat is of utmost importance.

CAUTION 3

As, in grafts, there may be Fusarium infection in between crotches, SupKor-Cu or FOLKAR-K + CHEMICAL should be applied to the roots, and, besides, SupKor-Cu or protective chemicals should be used at 15-20 day intervals to prevent contamination of crotches.

The damage of contagion in the plant causes vessel occlusion, weakening the flow of water, nutrients and plant secretions to the plant. Thus, the number of flowers and pollination will be low. The fruit color turns lighter, and, further, the plant stem becomes hollow inside in dry weather (husk).

CAUTION 4

During years of high humidity and temperature, bacterial infections are very intense. Of these, *Pseudomonas corrugata* (sputum) particularly causes a high rate of infection in the tomato plant stem, leading to problems such as receding fruit skin, pale fruit, and non-homogeneous coloration.

In order to minimize the contamination and damage caused by this disease, liquid copper should be applied starting from planting, excessive use of phosphorus and organic nitrogen should be avoided, and if organic matter is used, the amount of potassium should be increased.

FACTORS TO BE TAKEN INTO CONSIDERATION IN THE CULTIVATION OF GRAFTED TOMATO



CAUTION 5

Although grafted planting is carried out, it is recommended to apply chemical at least twice during the season through drip irrigation pipes in order to protect the roots from soil-borne diseases.

CAUTION 6

Growth and development of the cultivars which are resistant to TYLC virus are fast, starting from the planting. For this, fertilization should begin 4-5 days after planting, which should be repeated at 1 to 3 day intervals depending on the weather temperature. When the plant reaches the 2nd and 3rd clusters, the drip irrigation pipes should be removed 5-6 cm away from the stem. Thus, root development is promoted. Hormone substances such as 'INHIBITOR' are not recommended for the plant during this period. Instead, it is recommended to slow down the fast growth of plants with frequent irrigation and fertilization. The sensitivity of the cultivars resistant to TYLC virus to hormones such as inhibitors may negatively affect fruit shape, color and skin thickness in the future.

CAUTION 7

It is recommended to avoid from only water irrigation. It is recommended not to perform irrigation without fertilizer throughout the season.

CAUTION 8

Bees are recommended for pollination.

CAUTION 9

It is recommended to start intermediate irrigation during April according to the characteristics of the varieties. (Mix Calcium Nitrate: 15 kg / daa and Potassium Nitrate: 15 kg and sprinkle in the walkway). The frequency of intermediate irrigation and the amount of fertilizer may vary depending on the soil structure.

CAUTION 10

Avoid high density planting. Depending on the structure (plant strength) of the cultivars, intra-row spacing should be minimum 50-55 cm and row spacing 90-100 cm.



CUCUMBER PLANT PROBLEMS AND SOLUTIONS

FROM THE SEEDLING TRANSPLANT STAGE TO THE FLOWERING STAGE

PROBLEM 1

If there is root drowning and inability of plant to thrive or excessive accumulation of ammonia, etc. due to soil structure (clay soil), excessive soil moisture, salinization;

DRIP IRRIGATION SYSTEM (1000 m2)

NOABSES 1 LT
 +
 CALVÍN 2-2,5 LT
 +
 18-18-18 2-2,5 KG

2-3 days
later

SULPHUR 2-3 KG
 +
 PROFER 6 150-200 GR
 +
 18-18-18 2-3 KG

Amyonyak birikimi var ise;

NOABSES 1 LT
 +
 CALVÍN 2-3 LT
 +
 CALCIUM NITRATE..... 2-4 KG

3-4 days
later

ZENITH 1-2 LT
 +
 FULL ENERGY 7..... 1 LT
 +
 18-18-18 20-20-20



PROBLEM 2

Root rots, crown rot disease, fusarium sp., etc.

DRIP IRRIGATION SYSTEM (1000 m2)

FOLKAR-K 1-2 LT
 +
 CHEMICAL

or

SUPKOR CU 1-1,5 LT

PROBLEM 3

If there is an excessive longitudinal growth in the plant stem (internodes open)

DRIP IRRIGATION SYSTEM (1000 m2)

DURAN 2,5 LT
 +
 0-30-40 2 KG
 +
 MAXIFORTE 1 KG

3-4 days
later

DURAN 2,5 LT
 +
 0-30-40 2-3 KG

or

RATOON 15 2,5 LT
 FULLBASS 69 1KG
 +
 0-30-40 2-3 KG

FOR PROBLEM 3, APPLICATION FROM TOP

At the vegetative stage

NİMBUS 52 250-300 GR/100 LT of water
 +
 FOLKAR-K 250 cc/100 LT of water

At the flowering and fruiting stages

MAXIFORTE 250-300 GR/100 LT of water
 +
 FOLKAR-K 250 cc/100 LT of water

if there is excessive growth in the plant

MAXIFORTE 250-300 GR/100 LT of water
 +
 FOLKAR-K 250 cc/100 LT of water



PROBLEM 4

If black mulching is used, the roots are on the soil surface. Therefore, root function and nutrient flow are poor.

DRIP IRRIGATION SYSTEM (1000 m²)

NOABSES 1 LT
ZENITH 1-2 LT
FERTILIZER

or

FULLBASS 69 1-2 KG
ZENITH 1-2 LT
FERTILIZER

PROBLEM 5

If there is apical dormancy and apical distortions associated with boron deficiency;

DRIP IRRIGATION SYSTEM (1000 m²)

NOABSES 1 LT
BOLBOR 1 LT
FERTILIZER

FOR PROBLEM 5, APPLICATION FROM TOP

NOABSES 200 cc/100 LT of water
BOLBOR 150 cc/100 LT of water

CUCUMBER PLANT PROBLEMS AND SOLUTIONS

FRUITING STAGE



PROBLEM 1

If the flowers wither and dry early;

DRIP IRRIGATION SYSTEM (1000 m²)

BOLBOR 1 LT
NOABSES 1 LT
FULL ENERGY 7 1 LT
FERTILIZER

FOR PROBLEM 1, APPLICATION FROM TOP

NOABSES 200 cc/100 LT of water
CALVÍN 250-300 cc/100 LT of water

This mixture should be applied 2 times with 1 week intervals.



PROBLEM 2

If there is fruit dropping due to soil structure, excessive soil moisture or unbalanced irrigation, sudden changes in air humidity, improper chemical application, etc.;

DRIP IRRIGATION SYSTEM (1000 m²)

NOABSES	1 LT	3-4 days later	ZENITH	2 LT
CALVIN.....	2,5-3 LT		FERTILIZER +	
PROFER 6	100-150 GR			
FERTILIZER +				

Meanwhile, irrigation should be arranged according to the weather conditions and soil structure.

FOR PROBLEM 2, APPLICATION FROM TOP

NOABSES	200 cc/100 LT of water
CALVIN	250-300 cc/100 LT of water

This mixture should be applied 2 times with 6-7 days intervals.

PROBLEM 3

If fruit development is weak, there are deformities (thin fruit), pale fruits, etc.;

DRIP IRRIGATION SYSTEM (1000 m²)

MAXIEND 10-7-17.....	3-5 KG
GLUKOMIX Mn-Fe	2 LT
16-8-24	2 KG

FOR PROBLEM 3, APPLICATION FROM TOP

MAXIFORTE	250-300 GR/100 LT of water
CALVIN	250-300 cc/100 LT of water

This mixture should be applied 2 times with 6-7 days intervals.



PROBLEM 4

If there is excessive fruit accumulation on the plant and the apical development is weak;

DRIP IRRIGATION SYSTEM (1000 m²)

ZENITH.....	1 LT	2-3 days later	CALCIUM NITRATE	3-4 KG
TRANS-POL	1 KG		CALVIN	2 LT
FULL ENERGY 7.....	1 LT		PROFER 6	150-200 GR
20-20-20	4 KG			

FOR PROBLEM 4, APPLICATION FROM TOP

ZENITH	150 cc/100 LT of water	or	PROMAX COMBi.....	100 GR/100 LT of water
NIMBUS 52	200 GR/100 LT of water		NIMBUS 52	200 GR/100 LT of water

This mixture should be applied 2 times with 6-7 days intervals.

PROBLEM 5

If vegetative development is rapid, stem and leaf blade is wide, number and development of fruit is low;
Cause: Insufficient fertilization, excessive organic matter and excessive use of phosphorus, etc.

DRIP IRRIGATION SYSTEM (1000 m²)

PROLIUM	1-2 LT	1-2 days later	16-8-24	2 KG
FOLKAR-K	1-2 LT		6-0-49	2 LT
			MAGNESIUM SULFATE	2-2,5 KG

FOR PROBLEM 5, APPLICATION FROM TOP

MAXIFORTE.....	250-300 GR/100 LT of water
FOLKAR-K.....	250-300 cc/100 LT of water

This mixture should be applied 2 times with 6-7 days intervals.

PROBLEM 6

If the leaves and fruits are discolored as a result of sudden changes in the weather (hot-cold-humidity);
Cause: Increased carbohydrate levels and prolonged self-renewal period of capillary root hair.

DRIP IRRIGATION SYSTEM (1000 m²)

MAXFORTE.....	1 KG	or	FULBASS 69.....	1-2 KG
GLUKOMIX Mn-Fe.....	1-2 LT		GLUKOMIX Mn-Fe.....	1-2 LT
FULL ENERGY 7.....	1 LT	FULL ENERGY 7.....	1 LT	
FERTILIZER		FERTILIZER		

FOR PROBLEM 6, APPLICATION FROM TOP

MAXIFORTE.....	250-300 GR/100 LT of water
GLUKOMIX Mn-Fe.....	150-200 cc/100 LT of water

This mixture should be applied 2 times with 6-7 days intervals.



CUCUMBER DISEASE AND PEST CONTROL

Against powdery mildew, red spider mite, broad mite

Apply 150-300 gr SULPHUR per 100 lt water

CUCUMBER FOLIAR PESTS AND APPLICATIONS

First, fill the chemical application tool (pH adjustment, spreader-binder, etc.) with 2000 CO-MUT /100 cc / 100 lt water before the insecticides. Then add 2000 OCTIL, which prevents chitin synthesis in insects, to 50 cc / 100 lt water. Then apply after adding the pesticides.

PROBLEMS ENCOUNTERED IN PEPPER CULTIVATION AND SOLUTIONS WITH 2000 TARIM PRODUCTS



SEEDLING TRANSPLANT AND FLOWERING STAGES



PROBLEM 1

If there are problems of drowning and development failure of the roots, and yellowing, recession and growth failure in the green parts attributable to the soil structure, excessive soil moisture, salinization (soil and water);

DRIP IRRIGATION SYSTEM (1000 m²)

NOABSES..... 1 LT
 +
 SULPHUR..... 3 KG
 +
 CALVIN..... 2-2,5 LT
 +
 PROFER 6 (Fe)..... 100 GR

or

NOABSES..... 1-1,5 LT
 +
 CALCIUM NITRATE..... 2-4 KG
 +
 CALVIN..... 2 LT
 +
 PROFER 6 (Fe)..... 100 GR

2 days
After

ZENITH 1-2 LT
 +
 20-20-20 3 KG
 +
 FULL ENERGY 7 1 LT

Note: If salinization continues (if water is salty), repeat this application every 15-20 days.

PROBLEM 2

If the plant has a longitudinal growth with a thick stem, wide leaf blade and little blooming (rapid longitudinal growth)

DRIP IRRIGATION SYSTEM (1000 m²)

DURAN 2,5 LT
 +
 16-8-24 2-2,5 KG

3-4 days
after

GRONZIN 7 1 LT
 +
 16-8-24 4 KG
 +
 ULTRA-K30 2 LT

or

FULLBASS 69 1 KG
 +
 RATOON 15 4 KG
 +
 MAXIFORTE 1 KG

PROBLEM 3

If the plant has a longitudinal growth with a thin stem and narrow leaf blade;

Cause: Insufficient root development or poorly functioning roots, high soil moisture or salinity, improper chemical application and fertilization, etc.

DRIP IRRIGATION SYSTEM (1000 m²)

RATOON 15..... 2,5 KG
 +
 NOABSES..... 1 LT
 +
 FULL ENERGY 7..... 1 LT
 +
 UREA PHOSPHATE..... 3-3,5 KG

FOR PROBLEM 3, APPLICATION FROM TOP

FOLKAR-K..... 250-300 cc/100 LT of water
 +
 NOABSES..... 200 cc/100 LT of water
 +
 FULL ENERGY 7..... 100 cc/100 LT of water

This mixture should be applied 2 times with 4-6 days intervals.



PROBLEM 4

Plant growth terminals have halted, activity is very weak and leaf color has turned dark green

Cause: Accumulation of ammonia

DRIP IRRIGATION SYSTEM (1000 m²)

CALCIUM NITRATE.....5-8 KG
+
NOABSES.....1-1,5 LT
+
CALVIN.....1-2 LT

2-3 days
after

ZENITH..... 2 LT
+
20-20-20..... 4 KG

FOR PROBLEM 4, APPLICATION FROM TOP

NOABSES200 cc/100 LT of water
+
GRONZIN L7 or ZENITH150 cc/100 LT of water

This mixture should be applied 2 times with 6-7 days intervals.

PROBLEM 5

If there is retardation in flowering, pollen insufficiency, purple pollen (flowers turning purple);

DRIP IRRIGATION SYSTEM (1000 m²)

FOLKAR-K..... 2 LT
+
MAXIFORTE..... 1 KG
+
16-8-24..... 5-6 KG

or

FOLKAR-K..... 2 LT
+
FULLBASS 69.....1-2 KG
+
16-8-24..... 5-6 KG

FOR PROBLEM 4, APPLICATION FROM TOP

MAXIFORTE..... 250 GR/100 LT of water
+
TRANS-POL.....100 GR/100 LT of water

This mixture should be applied 2 times with 5-6 days intervals.



PROBLEMS ENCOUNTERED IN PEPPER CULTIVATION AND SOLUTIONS WITH 2000 TARIM PRODUCTS

FRUITING STAGE

PROBLEM 1

If there are flower and fruit drops;

Cause: Abscisic acid accumulation in flower stalks and roots associated with soil structure and sudden changes in humidity and temperature, (blackening in flower stalks and at the points where the stem connects to the flower)

DRIP IRRIGATION SYSTEM (1000 m²)

ZENITH 2 LT
+
NOABSES 1-2 LT
+
FERTILIZER

FOR PROBLEM 1, APPLICATION FROM TOP

NOABSES 200 cc/100 LT of water
+
GRONZIN L7 150 cc/100 LT of water
+
NIMBUS 52 150 GR/100 LT of water

This mixture should be applied 2 times with 1 week intervals.



PROBLEM 2

If there are deformities and distortions of the fruit;

Cause: Decline in root functions, retardation in capillary root hair development, nutritional deficiency (Potassium)

DRIP IRRIGATION SYSTEM (1000 m²)

MAXIEND 10-7-17.....3-4 KG
+
16-8-24.....2,5-3 KG
+
ULTRA-K30..... 2 LT

MAXIEND 10-7-17..... 3-5 KG
+
16-8-24.....3-4 KG
+
SULPHUR..... 3 KG

FOR PROBLEM 2, APPLICATION FROM TOP

ZENITH.....150 cc/100 LT of water
+
MAXIFORTE.....250 GR/100 LT of water

This mixture should be applied 2 times with 6-7 days intervals.



PROBLEM 3

Delay in coloration of capia red peppers, non-homogeneous coloration, etc.

DRIP IRRIGATION SYSTEM (1000 m²)

MAXIEND 10-7-17..... 4 KG
+
ULTRA K30..... 2 LT
+
6-0-49..... 2-3 KG

5-6 days
after

MAXIEND 10-7-17.....3-5 KG
+
6-0-49..... 3 KG
+
GLUKOMIX Mn-Fe..... 2 LT

or

POTANIA-NK..... 2 KG
+
MAXIEND 10-7-17..... 3 KG
+
6.0.49.....3-4 KG

FOR PROBLEM 3, APPLICATION FROM TOP

According to the deficiencies in plants;

ULTRA K30..... 200-300 cc/100 LT of water
+
MAXIFORTE..... 250 GR/100 LT of water

or

GKUKOMIX Mn-Fe.....150-200 cc/100 LT of water
+
MAXIFORTE..... 250 GR/100 LT of water

This mixture should be applied 2 times with 6-7 days intervals.

PROBLEM 4

If there exists, or potentially exists, blossom-end rot disease;

DRIP IRRIGATION SYSTEM (1000 m²)

CALVÍN..... 2,5-3 LT
+
NOABSES.....1-1,5 LT
+
18-18-18..... 5-6 KG
+
PROFER 6 (Fe).....100-150 GR

FOR PROBLEM 4, APPLICATION FROM TOP

NOABSES.....200 cc/100 LT of water
+
CALVÍN.....250 cc/100 LT of water

This mixture should be applied 2 times with 6-7 days intervals.

PROBLEM 5

In places where black mulching is used, the roots have developed towards the soil surface due to the light exposure and are not functionally as desired (enzyme-hormone scheme). For this, make sure that the roots develop towards the base.

DRIP IRRIGATION SYSTEM (1000 m²)

MAXIFORTE..... 1 KG
+
NOABSES..... 1 LT
+
ZENITH..... 2 LT
+
FERTILIZER

or

FULLBASS 69..... 1-2 KG
+
ZENITH..... 2 LT
+
FERTILIZER

PROBLEM 6

In root and root crown diseases

DRIP IRRIGATION SYSTEM (1000 m²)

FOLKAR-K..... 2 LT
+
CHEMICAL

or

SUPKOR CU..... 1-1,5 LT

In bacterial diseases (P.corrugata)

DRIP IRRIGATION SYSTEM (1000 m²)

FOLKAR-K..... 2 LT
+
PROLIUM..... 1-2 LT

or

SUPKOR CU..... 1-1,5 LT
+

FOR PROBLEM 6, APPLICATION FROM TOP

FOLKAR-K ... 250-300 cc/100 LT of water
+
PROLIUM 200 cc/100 LT of water

or

SUPKOR CU..... 200-250 cc / 100 LT of water

PROBLEM 7

If there are problems with nematodes;

2-3 days before or 2-3 days after chemical use

DRIP IRRIGATION SYSTEM (1000 m²)

ZENITH..... 2 LT
+
NOABSES..... 1-1,5 LT
+
FERTILIZER



PEPER DISEASE AND PEST CONTROL

Against powdery mildew, red spider mite, broad mite

Apply 150-300 gr SULPHUR per 100 lt water

PEPER FOLIAR PESTS AND APPLICATIONS

First, fill the chemical application tool (pH adjustment, spreader-binder, etc.) with 2000 CO-MUT / 100 cc / 100 lt water before the insecticides. Then add 2000 OCTIL, which prevents chitin synthesis in insects, to 50 cc / 100 lt water.

Then apply after adding the pesticides.



PROBLEMS ENCOUNTERED IN EGGPLANT

FROM THE SEEDLING STAGE TO THE FLOWERING STAGE

PROBLEM 1

If there is the problem of excessive longitudinal growth in the grafted eggplants (If the distance between the grafting site and the croch is long)

DRIP IRRIGATION SYSTEM (1000 m²)

FOLKAR-K..... 1-2 LT
 0-30-40..... + 3-4 KG
 FULLBASS 69..... + 1 KG

or
 FULLBASS 69..... 1 KG
 +
 FOLKAR-K..... 1-2 LT
 +
 UREA PHOSPHATE..... 3-4 KG

FOR PROBLEM 1, APPLICATION FROM TOP

FOLKAR-K.....250 cc/100 LT of water
 +
 MAXIFORTE.....250 GR/100 LT of water

This mixture should be applied 2 times 5 days intervals.



PROBLEM 2

Root drowning (capillary root hair) due to excessive soil moisture and soil structure. It appears in the form of paling leaves, excessive elongation in leaf stalk, etc.

DRIP IRRIGATION SYSTEM (1000 m²)

CALVIN..... 2,5 LT
 +
 FULLBASS 69..... 1 KG

2-3 days
 after

GLUKOMIX Mn-Fe.....2 LT
 +
 0-30-40..... 3-4 KG

FOR PROBLEM 2, APPLICATION FROM TOP

FOLKAR-K..... 300 cc/100 LT of water
 +
 MAXIFORTE..... 250-300 GR/100 LT of water



PROBLEM 3

If the lateral growth is weak (little growth of offshoots);

DRIP IRRIGATION SYSTEM (1000 m²)

SULPHUR..... 3 KG
 +
 RATOON 15..... 2,5 KG
 +
 2000 AGRÍ PETA FERT (9-30-7)..... 2 KG

or

RATOON 15..... 2,5 KG
 +
 0-30-40..... 3 KG
 +
 FOLKAR-K..... 2 LT

FOR PROBLEM 2, APPLICATION FROM TOP

FOLKAR-K..... 250-300 cc/100 LT of water
 +
 NOABSES..... 200 cc/100 LT of water
 +
 FULL ENERGY 7..... 200-250 cc/100 LT of water

This mixture should be applied 2 times with 6-7 days intervals.

PROBLEM 4

If the number of flowers is low and there is no homogeneous flowering;

DRIP IRRIGATION SYSTEM (1000 m²)

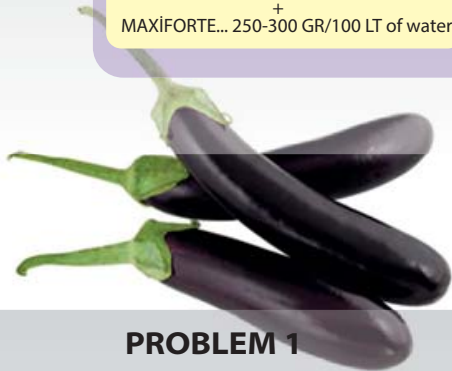
ZENITH..... 1 LT
+
DURAN 5 LT
+
FULL ENERGY 7..... 1-2 LT

FOR PROBLEM 4, APPLICATION FROM TOP

ZENITH..... 150 cc/100 LT of water
+
MAXIFORTE... 250-300 GR/100 LT of water

or

FOLKAR-K..... 250-300 cc/100 LT of water
+
MAXIFORTE..... 250 GR/100 LT of water



PROBLEMS ENCOUNTERED IN EGGPLANT FRUITING STAGE

PROBLEM 1

If there is excessive fruit and vegetative development is poor;

DRIP IRRIGATION SYSTEM (1000 m²)

SULPHUR..... 3 KG
+
FULL ENERGY 7..... 1-2 LT
+
20-20-20..... 5-6 KG
+
PROMAX COMBI..... 500 GR

or

ZENITH..... 2 LT
+
FULL ENERGY 7..... 2 LT
+
20-20-20..... 6 KG

FOR PROBLEM 1, APPLICATION FROM TOP

MAXIFORTE..... 250 GR/100 LT of water
+
FULL ENERGY 7..... 200 cc/100 LT of water
+
PROMAX COMBI..... 100 GR/100 LT of water



PROBLEM 2

If the longitudinal growth of the fruit is weak and the transverse growth is high (obtuse fruit);

DRIP IRRIGATION SYSTEM (1000 m²)

ZENITH veyá GRONZIN L7..... 2 LT
+
18-18-18..... 6 KG
+
NOABSES..... 1-2 LT

FOR PROBLEM 2, APPLICATION FROM TOP

ZENITH veyá GRONZIN L7..... 150 cc/100 LT of water
+
GENESIS L26..... 250 cc/100 LT of water

This mixture should be applied once a week.

PROBLEM 3

If there is paling of fruit color;

Cause: Sudden changes in humidity (Air humidity and soil moisture)

DRIP IRRIGATION SYSTEM (1000 m²)

NOABSES..... 1 LT
CALVIN..... 2-3 LT
18-18-18..... 6 KG
PROFER 6..... 150 GR

FOR PROBLEM 4, APPLICATION FROM TOP

CALVIN..... 250 cc/100 LT of water
MAXÍFORTE..... 250 GR/100 LT of water

or

GLUKOMIX Mn-Fe..... 200 cc/100 LT or water
MAXÍFORTE..... 250 GR/100 LT or water

This mixture should be applied 2 times with 6-7 days intervals.

PROBLEM 4

If there is a problem with pollination;

FOR PROBLEM 4, APPLICATION FROM TOP

GENESÍS L26 250 cc/100 LT of water
MAXÍFORTE..... 250 GR/100 LT of water

PROBLEM 5

If the vertical growth of the fruit is good, however the lateral growth is poor;

DRIP IRRIGATION SYSTEM (1000 m²)

16-8-24..... 5 KG
ZENITH..... 1-2 LT
MAXÍEND 10.7.17..... 5 KG

FOR PROBLEM 5, APPLICATION FROM TOP

MAXÍFORTE 250 -300 GR/100 LT of water
ULTRA-K30..... 200-250 CC



PROBLEM 6

If there is retardation in flowering or decrease in the number of flowers;

DRIP IRRIGATION SYSTEM (1000 m²)

16-8-24..... 4-5 KG
FOLKAR-K..... 2 LT
DURAN 5 LT

FOR PROBLEM 5, APPLICATION FROM TOP

MAXÍFORTE 250 -300 GR/100 LT of water
FOLKAR-K..... 250 cc / 100 LT of water



PROBLEMS ENCOUNTERED IN SQUASH CULTIVATION

FROM THE TRANSPLANTING STAGE TO THE FRUITING STAGE

PROBLEM 1

If there are rooting problems;

DRIP IRRIGATION SYSTEM (1000 m²)

NOABSES..... 1 LT
 +
 RATOON 15..... 2,5 KG
 +
 UREA PHOSPHATE 2-2,5 KG

or

FULLBASS 69..... 1 KG
 +
 RATOON 15..... 2,5 KG
 +
 2000 AGRİ PETAFERT (9-30-7)..... 2 KG



PROBLEM 2

If vegetative development is weak;

Cause: Insufficient fertilization, excessive soil moisture, physical structure of the soil (hard soil) etc.;

DRIP IRRIGATION SYSTEM (1000 m²)

ZENITH..... 1-2 LT
 +
 NOABSES..... 1 LT
 +
 UREA PHOSPHATE..... 2-3 KG
 +
 OrgAPEX-NK..... 2 LT

2-3 days
 after

CALCIUM NITRATE..... 2-3 KG
 +
 UREA PHOSPHATE..... 2-3 KG
 +
 OrgAPEX-NK..... 2 LT
 +
 PROFER 6..... 150 GR

FOR PROBLEM 2, APPLICATION FROM TOP

NİMBUS 52..... 200 GR/100 LT of water
 +
 PROMAX COMBI..... 100 GR/100 LT of water

PROBLEM 3

Vegetative development is very fast and leaf blade is expanding rapidly and transition to bloom phase will be retarded;

DRIP IRRIGATION SYSTEM (1000 m²)

DURAN 2,5 LT
 +
 16-8-24..... 2-3 KG
 +
 MAXIFORTE..... 1 KG

or

FULLBASS 69..... 1 KG
 +
 DURAN 2,5 LT
 +
 16.8.24..... 2-3 KG

FOR PROBLEM 3, APPLICATION FROM TOP

Vegetative period

NİMBUS 52..... 250-300 GR/100 LT of water
 +
 ZENITH..... 150 cc/100 LT of water

If at the flowering stage;

MAXIFORTE .. 250 -300 GR/100 LT of water

