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Micromix Plant Health Ltd



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Technology of Tomorrow

PROPLEX

AMIX Zn 10%

5% S (12.5% SO₃)

Amix Zinc is a fully complexed foliar micronutrient formulation containing **10% Zinc w/w (Zn) + 5% S (12.5% SO₃)** plus a sophisticated surfactant/humectant system that promotes efficient leaf coverage and droplet retention on even the waxiest of leaves when applied through all types of hydraulic or aerial crop sprayers.

Amix Zinc is compatible for tank-mixing with almost all common pesticides. The advanced surfactant system in the Amix formulation has been shown to confer benefits upon the pesticide tank mix partner product.

Amix product has been demonstrated to not only promote rapid and active (as opposed to passive) uptake of the nutrients at the leaf surface, but also to increase the mobility of the metal ion following its absorption into the plant.

This unique formulation technology in **Amix Zinc** also delivers Krebs and Shikimic intermediates as well as 6-carbon skeletons to reinforce plant health.

Application:

Amix-Zinc is used to address acute and latent zinc deficiency in all agricultural, horticultural and fruit crops and is designed for fertilization through the leaf. Plant analysis can simplify the identification of zinc deficiency. For very high deficiency, rates can be increased by 50%.

Amix-Zinc Suggested Rates of Application:

Description	First Appl.	Timing & Application
Apples, Pears, Peaches, Nectarines, Pistachio	From early spring	1-2 times 2.0 l/ha in the stage pink bud and every 3-4 weeks to the harvest
Avocado, Mango, Papaya, Pineapple, Banana	Apply 1-2 l/ha every 3-4 weeks as part of nutrition/fungicide insecticide programme	
Strawberries, Soft Fruit	2-3 weeks after establishment	0.75 – 1.5 l/ha, as part of fungicide programme, through to end of harvest
Grapes, Wine	When shoots have 1 st leaves	1.5-2.0 l/ha at start of young shoot development, every 3-4 weeks
Vegetables, Brassicas, Legumes, Onions, Potatoes	10-20 cm or at 3-4 true leaves	1.0-1.5 l/ha at about 10-20 cm or 3-4 true leaves and thereafter every 2-3 weeks
Wheat, Barley, Rice	From tillering	2.0 l/ha from the spring or growth stage 32 (beginning of tillering) Can be applied as split dose (1 + 1), with 3-4 week interval
Maize, Corn	1-2 times 2.0-3.0 l/ha from 4-leaf stage and before tasseling	

Amix Zn is an inorganic liquid formulation containing zinc and sulphur. Zinc is the most widely used micronutrient worldwide as it stimulates enzyme activity in the plant, particularly with photosynthesis. **Amix Zinc** is recommended for the prevention and correction of deficiencies and imbalances in zinc assimilation. Its specific mode of action encourages the physiological processes in plants in critical periods of crop development, such as budding, rooting, flowering or maturing.

Amix Zn is often used in conjunction with phosphate as high phosphate levels interfere with the uptake of zinc. Early application of foliar zinc during crop establishment can help boost establishment by aiding the production of natural growth stimulants by the plant.

Zinc deficiency affects a number of crops including onions, potatoes, maize, brassicas sweetcorn cereal crops, vines and fruit crops grown. Deficiencies are normally associated with high pH sandy soils and where there are high levels of phosphate.

Timing:

The highest achievements can be obtained in foliar application, if the application is carried out in the early morning, late afternoon or in the evening hours. Applications should not be made in strong wind and Sun with over 26°C temperatures should be avoided. Do not exceed recommended dose rate

Compatibility:

Amix Zinc can be mixed with most commonly used pesticides, but do not recommend mixtures with more than 2 mixing partners, in cases of doubt, a mixing test is appropriate. Be sure that the total concentration of application spray liquid with addition of mixing partners remains tolerant to the plants, i.e. is not too high and is biologically compatible. However, you must consult the specialist before any mixture.

Precautions to be taken:

Store this product in the original packaging in safe, dry and frost-free place, not over 40°C, separated from food and feed, as well as out of reach for children. Hands must be washed after use. May be harmful if swallowed. May cause irritation of eyes, nose throat, or skin. Avoid contact with eyes, skin, or clothing. In case of contact with eyes, flush with plenty of water. Consult a physician if irritation persists.

KEEP OUT OF THE REACH OF CHILDREN

All goods supplied by us are of high grade and we believe them to be suitable for the purposes described, but as we can not exercise control over their storage, handling, mixing or use, or over weather conditions before, during or after application which may affect the performance. All conditions and warranties statutory or otherwise, as to quality or fitness for any purpose are excluded and no responsibility will be accepted by us or re-sellers for any failure in performance, damage or injury whatsoever arising from their storage, handling, application or use. These conditions can not be varied by our staff or agents whether or not they assist in the use of such goods.

Reinforce
plant
health

Humic
and
Fulvic
acids

Fully Complexed
Foliar Micronutrient
Rich in Zinc



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Technology of Tomorrow

PROPLEX C-WEED50

50% w/v
Seaweed Concentrate

C-Weed 50 contains 50% w/v seaweed concentrate produced from a cool extraction process utilising only *Ascophyllum nodosum* from the Atlantic coastline of the British Isles. This extraction method ensures that the natural bio-stimulant growth enhancing compounds remain intact and are not denatured by heat. **C-Weed 50** typically contains natural auxins, cytokinin and gibberellins along with alginic acid, mannitol and laminarin. Typically there will be low levels of NPK, Calcium, Magnesium and Sulphur, along with trace elements Manganese, Zinc, Iron, Boron, Copper and Iodine.

Usage:

C-Weed 50 can be used on all crops and has no statutory Harvest Interval or maximum dosage limit. 0.4 to 0.5 litres per hectare is the recommended dose rate for crops from seedling to young plant stage. 0.75 to 1.0 litres per hectare is recommended from the end of vegetative growth through to post-flowering. A programme of applications on 10 to 14 day intervals will get the maximum benefit from **C-Weed** on edible and flower crops.

C-Weed 50 main contains are:

Potassium (K ₂ O)	8%	Sea Weed Extract	50%
Organic Carbon ©	15%		

Fruit trees/Soft fruit:

1-1.5 litres per hectare per application and some 4-5 applications can be made.

FRUIT	1st Appln.	2nd Appln.	3rd Appln.	4th Appln.
Pistachio, Apples, Pears	pink bud	full bloom	early fruiting	21 days later
Citrus, Avocado	3/4 days pre-bloom	petal fall	after 14 days	6 weeks before harvest
Grapes, kiwi, Litchi	10-25 cm of new growth	early bloom	berry set	14-21 days later
Stone Fruit, Strawberries	pink bud at transplant* or early spring growth	full bloom at first sign of bloom	early fruiting 7-10 days later	21 days later every 21 days to mid harvest

* Transplant dip: mix 8-10mls with 10 litres water and dip roots

Vegetables:

0.75 – 1.0 litre per hectare	1st Appln.	2nd Appln.	3rd Appln.	4th Appln.
General Rule	0.75l/ha when there is enough foliage for spraying	0.75L/ha at first signs of flowering	0.75L/ha 14-21 days later	0.75L/ha 14-21 days later
Peas, Beans	at 4-5 leaf stage	at 1st signs of flowering	at early pod initiation	—

Baby Corn Sweet Corn	at 4-6 leaf stage at 4-6 leaf stage	just prior to tasselling	—	—
Cucumbers Melons Egg Plant Peppers	transplant dip of 8-10mls per 10 litre water	at 4-5 true leaf stage	just prior to 1st bloom	10-14 days later and at 14 day intervals
Potatoes	a solution of 10mls per 10L as tuber dip	at 3-5 leaf stage	at tubers 15-20mm in diameter	at early bloom

Field Crops:

0.75-1.5 litres per hectare

Alfalfa	1.0L per hectare at 4-5 leaf stage	1.0L per hectare after 1st cut	1.0L per hectare after each cut
Cereals	0.75-1.0L per hectare at Growth Stage 21 in autumn	0.75L per hectare at Growth Stage 30	optional: 0.75l/ha at Growth Stage 51-71
Cotton	1.5L per hectare at early squaring	1.5L per hectare at first signs of flowering	1.5L per hectare 14 days later
Maize	1.0L per hectare at 4-5th leaf stage	1.0L per ha just prior to tasselling	—

* Oilseeds rape, Peanuts, Rice, Soybean, Sugar beets 2-2.5 L per hectar.

Field Transplants or addition to starter fertilizer:

Field transplants should be dipped in a solution containing **C-WEED 50** plus a high phosphate fertilizer such as **ProPlex 07-35-25+GS** (see label instructions). Use **C-WEED 50** at a rate of 1 litre per 100 litres water. For addition to starter fertilizers use at an inclusion rate of 1 litre per 100 litres.

Compatibility:

C-WEED 50 should be compatible with all organic pesticides, although if an uncertainty exists carry out a jar compatibility test.

Application:

Always spray to run-off in sufficient water to ensure good coverage. 200-400 litres water per hectare for most crops and 2000 - 4000 litres of water per hectare for top fruit.

Storage and handling:

This product contains a preservative to prevent fermentation and decomposition, and should be kept out of direct sunlight and away from heat and frost. Be careful of spillage as may cause a hazard.

Precautions:

May be harmful if swallowed. May cause irritation of eyes, nose throat, or skin. Avoid contact with eyes, skin, or clothing. In case of contact with eyes, flush with plenty of water. Consult a physician if irritation persists.

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Leaf & Shoot Growth

Early Rooting

Increase in plant carbohydrate production



Micromix
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Technology of Tomorrow

PROPLEX HA-888

Humic Acid 12.5% / Fulvic Acid 5.0%

HA-888 is a unique product containing 12.5% w/w Humic acid derived from a modified potassium humate.

HA-888 promotes the uptake of micronutrients. **HA-888** is soluble over a PH range of 2.0 to 12.0. This unique feature allows **HA-888** to be mixed and applied with most commercially available fertilizers and micronutrients.

HA-888 formulation includes:

Nitrogen (total)	0.8%	Chloride	<0.05%
Phosphorus (P ₂ O ₅)	0.1%	Iron	0.2%
Potassium (K ₂ O)	3.4%	Zinc	0.2%
Carbon (C)	11.4%	Fulvic Acid	<5.0%
Sulfur (So3)	3.0%	Humic Acid	12.5%

HA-888 Suggested Rates of Application:

Crops	Dose	Timing & Application
Tomato, Pepper Melon, Beans Cucumber & Soft-Fruit	1.5 litres 1.0 to per hectare	Follow this weekly with the same rate of applications until finish of the vegetative stage of crop.
Wheat, Barley Alfalfa	1.0 – 2.0 litres per hectare	Apply 2 treatments through sprinkler or central pivot. -At 3-5 leaf stage. -2 weeks later.
Grapes, Kiwi Fruit Barley, Alfalfa	0.5 – 1.0 litres per hectare	Apply 3 treatments, in 400 litres water per ha. - pre-flowering - post flowering - ripening
Stone Fruit & Citrus Pistachio	0.75 – 1.5 litres per hectare	Apply at least 3 times depending on varieties in 1000 litres water per hectare. - Early or late January to late February, can be used with micros & NPK during irrigation or injection. - May to June - October to November

Other Agricultural Applications

Soil Applied: 5.0 - 10 litres per hectare of HA-888 per application. Pre-mix in 2-4 litres water before adding to spray tank.

Foliar Applied: 250 - 500 ml per hectare of HA-888 per application. Pre-mix in 2-4 litres water before adding to spray tank. Apply every 3-4 weeks during season.

Seed & Potato seed-piece: Apply 1.25 to 2.5 litres per 400 litres as a seed treatment spray or dip.

Transplant-water applications: Apply 500 ml per 200 litres of transplant solution.

Pre-plant in-furrow and side-dress applications: Apply 150 ml per litre and add 4 litres of prepared solution per 50 litres of actual plant nutrients (eg: 250 litre/litres of 10-34-0 liquid is equivalent to 25 litres N and 85 litres P₂O₅ thus 105 litres, so use 8 litres solution). Band or broadcast the resulting tank mixture.

Turfgrass

Tees & Greens: Apply 75 ml per 500 m² every 3 – 4 weeks with normal fertility program.

Fairways: Apply 75 ml per 1000 m² every 3 – 4 weeks with normal fertility program.

Horticultural and Ornamental Plants:

As a soil drench: Apply 100 ml per 500 litres of water every 3 – 4 weeks to fast growing succulent plants.

As a foliar spray: Apply 100 ml per 500 litres of water every 3 – 4 weeks to slow growing woody plants.

Compatibility:

HA-888 should be compatible with all organic pesticides, although if an uncertainty exists carry out a jar compatibility test. Always add **HA-888** to half filled spray tank, keep agitated and add other spray tank ingredients. If a pH problem exists with acidic mixes then the use of a recognised buffering agent is recommended. However, you must consult the specialist before any mixture.

Application:

Always spray to run-off in sufficient water to ensure good coverage. 200-400 litres water per hectare for most crops and 2000 - 4000 litres of water per hectare for top fruit. Spray nozzle tips vary and as water is only the vehicle selected to enable an even coverage, local practise will vary considerably. Always ensure that your spray nozzle tips are clean and tested for accuracy regularly.

Storage and handling:

This product contains a preservative to prevent fermentation and decomposition, and should be kept out of direct sunlight and away from heat and frost. Be careful of spillage as may cause a hazard.

Precautions:

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Zinc, Iron
Potassium
Carbon
Sulfur

Root
stimulator

Nutrient uptake
Drought tolerance
Seed germination



Technology of Tomorrow

PROPLEX

Pro Amino 30

Free Amino Acids 30%
Treat abiotic stress

ProAmino is a **NEW** specialised liquid containing **30% Free Amino Acids**. The liquid formulation containing 18 essential amino acids to aid plant vigour and enhance crop growth and assist towards heavier yields. The product is also high in **betaines** which are essential to the crop's performance under heat stress.

ProAmino is a leaf fertilizer containing organic nitrogen and amino acids. It helps to remove the stress from the crop with its balanced aminogram and its high level of free amino acids.

ProAmino contains a high concentration of free amino acids that play a role in the stress metabolism of the plant (e.g. glutamine acid, proline, serine, etc). This means spraying with **ProAmino** has a direct effect on protein synthesis. Stress and shock, blocks the growth process; The plant needs all its energy to get over this shock and that is at the expense of protein synthesis. Therefore, this product stimulates the plant's natural processes of improving the absorption of nutrients and their effectiveness, which favors the plant's tolerance to abiotic stress.

In stress situations the nitrogen cycle and the photosynthesis don't perform as well and this leads to a reduced protein synthesis, and ultimately an increased chance of loss of yield. The leaf application with **ProAmino** adds the essential amino acids that are required for protein synthesis. **ProAmino** guarantees the protein metabolism thus the growth and development of the plant are maintained.

Main Contents:

Nitrogen :	7.2%	Calcium (CaO):	0.5%
Organic N: 5.06%		Betaines:	4.5%
Ammoniacal N: 2.14%		Carbon:	18%
Organic matter on DM basis:	50%	Amino acids (Free):	30%

Suggested Application Rates:

The following are only suggested rates for application to the crops described below. Always spray to run-off in sufficient water to ensure good coverage. 200-400 litres water per hectare for most crops and 1000 - 4000 litres of water per hectare for top fruit. Spray nozzle tips vary and as water is only the vehicle selected to enable an even coverage, local practice will vary considerably. Always ensure that your spray nozzle tips are clean and tested for accuracy regularly

Fruit trees/Soft fruit:

1.0 - 2.5 litres per hectare per application and some 4-5 applications can be made.

FRUIT	1st Appln.	2nd Appln.	3rd Appln.	4th Appln.
Apples & Pears Pistachio	pink bud	full bloom	early fruiting	21 days later
Citrus, Avocado	3/4 days pre-bloom	petal fall	after 14 days	6 weeks before harvest
Grapes, kiwi	10-25 cm of new growth	early bloom	berry set1	4-21 days later
Stone Fruit	pink bud	full bloom	early fruiting	21 days later
Strawberries	at transplant* or early spring growth	at first sign of bloom	7-10 days later	every 21 days to mid harvest

Vegetables: 1 – 2.0 litres per hectare

	1st Appln.	2nd Appln.	3rd Appln.	4th Appln.
General Rule	when there is enough foliage for spraying	at first signs of flowering	14-21 days later	14-21 days later
Peas, Beans	at 4-5 leaf stage	at 1st signs of flowering	at early pod initiation	—
Cucumbers Squash, Melons Egg Plant Peppers	transplant dip of 10 g per 10 litre water	at 4-5 true leaf stage	just prior to 1st bloom	10-14 days later and at 14 day intervals
Potatoes Sweet Potatoes	a solution of 10 g per 10L as tuber dip at planting	at 3-5 leaf stage	at tubers 15-20mm in diameter	at early bloom
Tomatoes	at 15-20 cm growth	just prior to 1st bloom	repeat at 14 day intervals	—

Field Crops:

Alfalfa	0.5 litres per ha at 4-5 leaf stage	0.5 litres per ha after 1st cut	0.5 litres per ha after each cut
Cereals	0.5 litres per ha at Growth Stage 21 in autumn	0.5 litres per ha at Growth Stage 30	optional: 0.25-0.5 litres/ha at Growth Stage 51-71
Cotton	0.75 litres per ha at early squaring	0.75 litres per ha at first signs of flowering	0.75 litres per ha 14 days later
Maize	0.75 litres per ha at 4-5th leaf stage	0.75 litres per ha just prior to tasselling	—
Oilseed Rape Rice Soybeans Sugar Beets	0.5-0.75 litres per ha at 5 leaf stage (Growth Stage 1.5)	0.75 litres per ha at green bud stage (Growth Stage 3.1)	—
Peanuts	0.5 litres per ha at 4-6 leaf stage	0.5 litres per ha at pegging	—

* Flowers, Ornamentals and grass @ 0.5 – 1.0 litres per hectare

Storage and handling: This product contains a preservative to prevent fermentation and decomposition, and should be kept out of direct sunlight and away from heat and frost. Be careful of spillage as may cause a hazard.

Precautions: May be harmful if swallowed. May cause irritation of eyes, nose throat, or skin. Avoid contact with eyes, skin, or clothing. In case of contact with eyes, flush with plenty of water. Consult a physician if irritation persists.

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Grower Tool

18
essential
Amino Acids

Guarantees protein metabolism



Technology of Tomorrow

PROPLEX Plus

Treat Biotic Abiotic Stress
Preventing Flower / Fruit Abortion

PROPLEX PLUS is a NEW multi-nutrient product carefully designed to stimulate plants into achieving optimum levels of production. **Proplex Plus** is a range of organically complexed liquid fertilisers to be used by farmers who are striving to reach high levels of production, economically, with the technology of tomorrow. **Proplex Plus** is designed to treat abiotic stress in greenhouses – preventing flower/fruit abortion. **Proplex Plus** can also be used as a tonic to reinvigorate turf after periods of stress.

Proplex Plus is highly miscible liquid fertiliser with fully biodegradable organic complexing agents, humic acids, seaweed and trace element package, for use on all types of turf, imparting health and vigour as well as stimulating beneficial soil activity. It is designed to achieve optimum yields from their crops and therefore, enhance the formation of the root system, flowering and ripening.

Proplex Plus stimulates the plant's natural processes of improving the absorption of nutrients and their effectiveness, which favours the plant's tolerance to abiotic stress. It also Stimulate plant defence responses against biotic stresses (bacteria, viruses, fungi and parasites) and abiotic stress (heat, drought, cold, drying winds and water logging). **Proplex Plus** is formulated to encourage healthy growth, with a rapid green up. It encourages the physiological processes in plants in critical periods of crop development, such as budding, rooting, flowering or maturing.

PROPLEX Plus contains the following essential nutrients with 5% GS-45 Seaweed extract for crop growth in a balanced format designed to increase optimum yield of the

chosen crop:

Nitrogen (N):	2.0% w/v	Iron:	0.05% w/v
Potassium (K2O):	1.0% w/v	Manganese:	0.25% w/v
Sulphur (combined So3):	8.0% w/v	Molybdenum:	0.005% w/v
Magnesium (MgO):	1.0% w/v	Nickel:	0.005% w/v
Boron:	0.05% w/v	Zinc:	0.25% w/v
Cobalt:	0.025% w/v	GS-45, seaweed extract:	5.00% w/v
Copper:	0.05% w/v	Various individual L-amino acids:	1.5% w/v

SUGGESTED RATES OF APPLICATION:

SUGGESTED RATES OF APPLICATION:

Crop	Application Rate	Repeat	Rate of water
Pistachio, Peers Apple, Peaches	2 litre per ha just prior to blooming	Repeat every 14 days	400 litres water per ha to give good even coverage
Roses Shrubs Fruit Trees	250 ml per 100 litres of water. 10-14 days after transplanting	Repeat every 10days And soon after 1st cutting	Use 25-50 litre water per 1000 m ² to give good coverage
Tomato	200ml per 100 litres of water. per 1000m ² at 15-20 cm growth.	Repeat just before blooming	Repeat at 14 day intervals using 25-50 litre water per 1000m ²
Cucumber	200 ml per 1000m ² at 4/5 leaf stage	Repeat just before blooming	Repeat at 14 day intervals using 25-50 litre water per 1000m ²
All Vegetables	200 ml per 1000m ² at 3/5 leaf stage	Repeat at 14 day intervals	using 25-50 litre water per 1000m ²
Sugar Beet	2 l/ha at 4-6 leaf stage		
Cereals	2 l/ha at Growth Stage 21 in autumn	2 l/ha at Growth Stage 30	optional: 1-2 l/ha at Growth Stage 51-71
Cotton	2.5 l/ha at early squaring	2.5 l/ha at first signs of flowering	2.5 l/ha 14 days later
Maize	2.5 l/ha at 4-5th leaf stage	2-2.5 l/ha just prior to tasselling	Repeat just prior to tasselling
Peanuts	2 l/ha at 4-6 leaf stage	2 l/ha at pegging	—
Rice	2 l/ha at 4-6 leaf stage	2 l/ha at flag leaf emergence	—

COMPATIBILITY: This is a high quality material that should leave no sediment when mixed with clear water. This product is compatible with most pesticides and fertilizers. It is advisable to test a small sample with any other materials used before volume mixing for compatibility.

Application: Always spray to run-off in sufficient water to ensure good coverage. 200-400 litres water per hectare for most crops and 2000 - 4000 litres of water per hectare for top fruit. Spray nozzle tips vary and as water is only the vehicle selected to enable an even coverage, local practise will vary considerably. Always ensure that your spray nozzle tips are clean and tested for accuracy regularly.

Storage and handling: This product contains a preservative to prevent fermentation and decomposition, and should be kept out of direct sunlight and away from heat and frost. Be careful of spillage as may cause a hazard.

Precautions: May be harmful if swallowed. May cause irritation of eyes, nose throat, or skin. Avoid contact with eyes, skin, or clothing. In case of contact with eyes, flush with plenty of water. Consult a physician if irritation persists.

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**Rapid
Green Up**

Stimulate
plant defence
mechanisms

**Amino Acids
mannitol
Vitamin B12**



Technology of Tomorrow

PROPLEX ProLeaf

High K 05-22-30
SeaWeed+Mn+Zn

Proleaf 05-22-30+GS-45+CTEs can be used as a foliar fertilizer on all vegetable, field and soft fruit crops. **Proleaf** is a specially developed liquid fertilizer designed to increase the uptake of potassium and phosphates by the plant. The **GS-45** being the condensed seaweed extract of *ascophyllum nodosum* for healthy roots and foliage. This product also contains Mn as MnEDTA and Zn as ZnEDTA.

This product stimulates the plant's natural processes of improving the absorption of nutrients and their effectiveness, which favours the plant's tolerance to abiotic stress. Its specific mode of action encourages the physiological processes in plants in critical periods of crop development, such as budding, rooting, flowering or maturing.

Zinc and manganese EDTA, indicated for the prevention and correction of deficiencies and imbalances in the simultaneous assimilation of these two micronutrients. **Proleaf** provides the necessary zinc and manganese that can be assimilated by crops. The product also has Potassium based liquid solution to improve quality of harvests.

ProPlex ProLeaf contains the following unique formulation:

Nitrogen	5.00% w/v	Zinc as ZnNa2EDTA:	0.1% w/v
Potassium (K₂O)	30.0% w/v	GS-45 is ascophyllum nodosum:	1.0% w/v
Manganese as MnNa2EDTA:		0.1% w/v	

Application Rate:

Crops	Timing & Application
All Vegetables Soft Fruit Tree Crops Extensive Field Crops	Mix 1 to 5 litre Proleaf 05-22-30 in 200-250 litres of water and apply evenly on foliage from 5 leaf stage and every 10-14 days.
Trees and Shrubs After Transplanting Includes Tea (Camelia Sinensis)	Mix 10ml per 15 litres of water. Apply by foliar spray every 3 to 4 weeks, apply to run off.
Irrigation Sytems in Greenhouse etc:	Continuous Feeding: Use 0.5 to 1.5 ml per litre Occasional feeding, say 1x per week 0.8 to 1.8 ml per litre

- Enhances fruit fill and brix
- Potassium uptake and translocation is also enhanced
- Recommended after fruit set, during fruit development and ripening and also post-harvest in perennial crops
- Extremely efficient at increasing skin colour and blush
- Supports plant leaf and root growth
- Free from Nitrates , Chlorides, Sulfates with extremely low salt index which reduces risk of scorch
- Best applied as foliar and also suitable for drip irrigation
- Pressure extraction retains all natural benefits – approved for organic use
- Micronized suspension for uniform distribution across leaf surface
- Increase uptake and efficiency of fertiliser and pesticides

Compatibility: This is a high quality material that should leave no sediment when mixed with clear water. This product is compatible with most pesticides and fertilizers. It is advisable to test a small sample with any other materials used before volume mixing for compatibility.

Application: Always spray to run-off in sufficient water to ensure good coverage. 200-400 litres water per hectare for most crops and 2000 - 4000 litres of water per hectare for top fruit. Spray nozzle tips vary and as water is only the vehicle selected to enable an even coverage, local practise will vary considerably. Always ensure that your spray nozzle tips are clean and tested for accuracy regularly.

Storage and handling: This product contains a preservative to prevent fermentation and decomposition, and should be kept out of direct sunlight and away from heat and frost. Be careful of spillage as may cause a hazard.

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Healy
roots &
foliage

MnEDTA
ZnEDTA
Seaweed

All vegetable
field & soft
fruit crops



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Micromix Plant Health Ltd



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Technology of Tomorrow

PROPLEX Vitaphit Amino

Phosphorous Acid
Hight P Levels
3-26-7

Vitaphite Amino 3-26-7 to be used as supplemental fertilizer treatment - A nutrient designed to meet the needs of today's successful farmers looking to optimize their crop's yield.

Vitaphite Amino is absorbed through the leaf tissue of the plant and trans-located within the plant.

Vitaphite Amino The potassium level is held as high as possible to compliment the high P levels to give maximum potassium uptake.

Vitaphite Amino nutrients can be applied by conventional sprayer, concentrate sprayer and by air. For improved, leaf absorption adds 1 to 4.5 litres per hectare.

Vitaphite Amino will also has a buffering effect in hard water.

Vitaphite Amino This product

- Helps plant strength and hardiness
- Promotes stronger root development

Vitaphite Amino is enriched with the following elements:

Nitrogen (ammoniacal)(N):	3% w/w	Manganese (Mn):	0.2% w/w
Potassium Oxide (K ₂ O):	7% w/w	Zinc (Zn):	0.2% w/w

Suggested rates of application:

Crops	Timing & Application
Grape Vines	Apply 1 to 4.5 litres per hectare three to four times each season, at first full leaf, and then at post bloom berry size and three to four weeks prior to harvest.
Apples, Pistachio Nectarines Peaches, Pears Plums & Citrus	apply 2 to 4 litres per hectare three to four times each season, starting at three quarter leaf, then at early fruit size, fruit midsize and three to four weeks prior to harvest.
Broccoli Brussel Sprouts Cauliflower Cabbage	Apply 1 to 4 litres per hectare after transplant or from 4 th leaf. Repeat every 10-15 days
Cucumbers Melon, Tomato	Apply 1 to 4 litres per hectare soon after transplant or from 4 th leaf stage. Repeat every 10-15 days.
Onions, Garlic Leeks	Apply 1 to 4 litres per hectare after transplant or when enough leaf for spraying. Repeat every 10-15 days.
Peas, Beans	Apply 1 to 4 litres per hectare after 4 th true leaf. Repeat every 10-15 days.
Potatoes	Apply 1 to 4 litres per hectare three to four times during season. The first at early emergence, three to four weeks later and pre-bloom.

This product stimulates the plant's natural processes of improving the absorption of nutrients and their effectiveness, which favours the plant's tolerance to abiotic stress. Its specific mode of action encourages the physiological processes in plants in critical periods of crop development, such as budding, rooting, flowering or maturing.

Compatibility: This is a high quality material that should leave no sediment when mixed with clear water. This product is compatible with most pesticides and fertilizers. It is advisable to test a small sample with any other materials used before volume mixing for compatibility.

Application: Always spray to run-off in sufficient water to ensure good coverage. 200-400 litres water per hectare for most crops and 2000 - 4000 litres of water per hectare for top fruit. Spray nozzle tips vary and as water is only the vehicle selected to enable an even coverage, local practise will vary considerably. Always ensure that your spray nozzle tips are clean and tested for accuracy regularly.

Storage and Handling: This product contains a preservative to prevent fermentation and decomposition, and should be kept out of direct sunlight and away from heat and frost. Be careful of spillage as may cause a hazard.

Precautions: May be harmful if swallowed. May cause irritation of eyes, nose throat, or skin. Avoid contact with eyes, skin, or clothing. In case of contact with eyes, flush with plenty of water. Consult a physician if irritation persists.

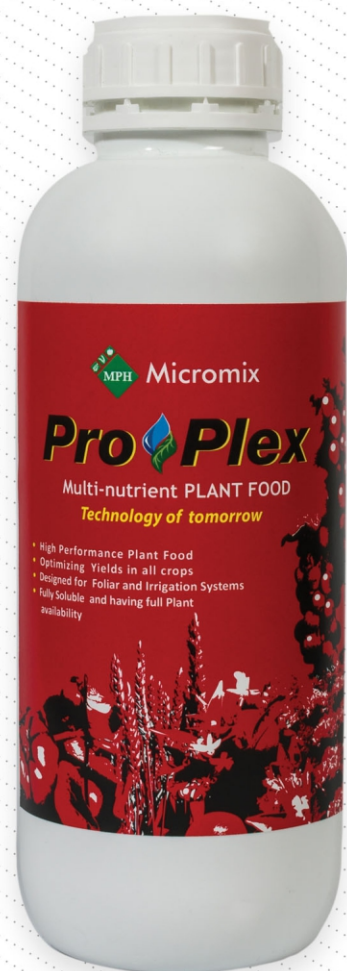
KEEP OUT OF THE REACH OF CHILDREN

All goods supplied by us are of high grade and we believe them to be suitable for the purposes described, but as we can not exercise control over their storage, handling, mixing or use, or over weather conditions before, during or after application which may affect the performance. All conditions and warranties statutory or otherwise, as to quality or fitness for any purpose are excluded and no responsibility will be accepted by us or re-sellers for any failure in performance, damage or injury whatsoever arising from their storage, handling, application or use. These conditions can not be varied by our staff or agents whether or not they assist in the use of such goods.

Prevent
Diseases

Zinc
Manganese

Contains
Amino
Acids



Technology of Tomorrow

ProPlex

Multi-nutrient PLANT FOOD

PROPLEX is a NEW multi-nutrient PLANT FOOD carefully designed to stimulate plants into achieving optimum levels of production. To be used by farmers who are striving to reach high levels of production, economically, with the technology of tomorrow.

PROPLEX contains the following essential nutrients with **5% GS-45 Seaweed extract** for crop growth in a balanced format designed to increase optimum yield of the chosen crop:

Nitrogen (N)	2.0%	Boron	0.15%	Manganese	0.25%
Sulphur (SO ₃)	7.5%	Copper	0.05%	Molybdenum	0.005%
Zinc	0.25%	GS-45, seaweed extract	5.00%		
Magnesium (MgO)	0.5%	Iron	0.05%		

Crop	Application Rate		Rate of water
Pistachio Apple, Peach	2 litre per ha just prior to blooming	Repeat every 10-14 days	400 litres water per ha to give good even coverage
Roses, Shrubs & Fruit Trees	200 ml per 1000m ² 10-14 days after transplanting	Repeat every 10-14 days And soon after 1st cutting	Use 25-50 litre water per 1000 m ² to give good coverage
Tomato	200 ml per 1000m ² at 15-20 cm growth	Repeat just before blooming	Repeat at 14 day intervals using 25-50 litre water per 1000m ²
Cucumber	200 ml per 1000m ² at 4/5 leaf stage	Repeat just before blooming	Repeat at 14 day intervals using 25-50 litre water per 1000m ²
All vegetables	200 ml per 1000m ² at 3/5 leaf stage	Repeat at 14 day intervals	Using 25-50 litre water per 1000m ²
Sugar Beet	2 l/ha at 4-6 leaf stage	Repeat at 14 day intervals	
Cereals	2 l/ha at Growth Stage 21 in autumn	2 l/ha at Growth Stage 30	Optional: 1-2 l/ha at Growth Stage 51-71
Cotton	2.5 l/ha at early squaring	2.5 l/ha at first signs of flowering	2.5 l/ha 14 days later
Maize	2.5 l/ha at 4-5th leaf stage	2-2.5 l/ha just prior to tasselling	
Peanuts	2 l/ha at 4-6 leaf stage	2 l/ha at pegging	
Rice	2 l/ha at 4-6 leaf stage	2 l/ha at flag leaf emergence	

INSTRUCTIONS FOR USE

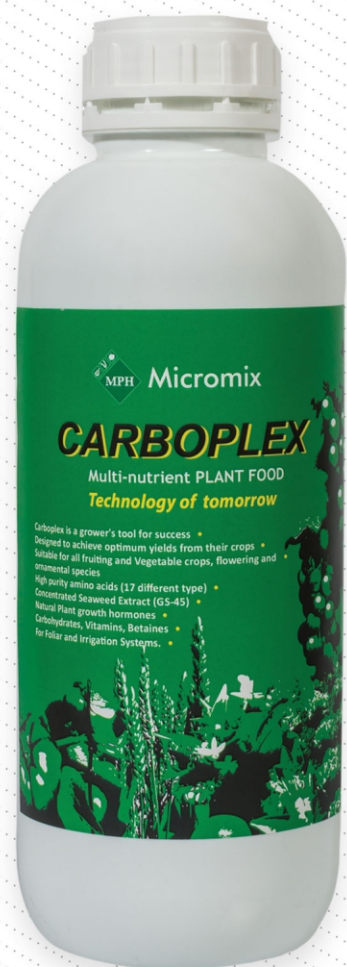
- For best results apply **Proplex** in the coolest parts of the day – early morning and in the evening. It is not advised to spray **Proplex** when temperatures exceed 30°C or in full sun.
- PH of water is best between 5 and 7. Use a suitable buffer if PH is too high.
- Apply in sufficient water to ensure thorough and uniform coverage 400-1000 litres of water is suggested.

Caution: **Proplex** is compatible with most chemicals used in crop protection but do not use it with dinitro compounds, dormant oil, Bordeaux, spray lime, or highly alkaline spray materials.



Made in ENGLAND

www.micromix.com



Technology of Tomorrow

CARBOPLEX

Multi-nutrient PLANT FOOD

Carboplex is designed to achieve optimum yields from their crops and therefore, enhance the formation of the root system, flowering and ripening. It is suitable for all fruiting and vegetable crops. Carboplex is a special solution based on potassium (K), Amino Acids, Seaweed and Betaines that provides a balanced nutrition.

Carboplex formulation mainly contains:

Nitrogen	1.9-2.1% w/v	Amino acids (natural)	8.0%
Potassium (K ₂)	0.5% w/v	GS-45, seaweed extract	5.00%
Betaines (natural)	1.4%		

BRIX BUILDER RECOMMENDATIONS AND APPLICATION RATES

Crop	Application Rate
Nuts	Apply 1 litre of Carboplex per 1000 litres water per hectare, at 2 timings: early to mid-June and the last at 60 days before harvest
Apple & Pear	Apply 1 litre of Carboplex per 1000 litres water per hectare, at 2-4 timings: starting at petal fall and repeat at 7 to 10 day intervals.
Tomato & Pepper	Apply 500 ml per ha when plants begin to blossom. Repeat at 7-10 day intervals during growing season.
Melons & Cumpers	Apply 1 litre of Carboplex per 1000 litres water per hectare, shortly after transplanting then repeat every 10 to 14 days up until harvest.
Oranges and other Citrus	Apply 2 litre per ha when trees begin to bloom repeat after 10-14 days.
Grape, Kiwi Fruit	Apply 500 ml per ha at flowering and once more 2 weeks before harvest.
Strawberries	Use 1 litre per hectare every 10-14 days. Early autumn applications will enhance crown development.
Sports turf	Use 2L/ha before grass growth ceases in the autumn to improve over wintering and robustness of trafficked areas, a further 2L/ha following initial spring fertiliser accelerates early growth. To increase autumnal carbohydrate build up it needs to be applied in conjunction with ureic fertilisers (Ideally Multi-N/Proteus) whilst growth is still active.
Lettuces & spinnach	1 l/ha every 7-10 days (increases hearting-up on lettuces)

General Information:

Only apply **Carboplex** in the coolest parts of the day – early morning and in the evening. PH of water is best between 5 and 7. Use a suitable buffer if PH is too high. Apply in sufficient water to ensure thorough and uniform coverage. In many cases a volume of 1000 litres of water per hectare is more than adequate.

This product has not been tested with all pesticides for compatibility and it is advisable therefore to carry out a quick 'jar test' with spray solutions of materials to be applied in order to see if physical compatibility is acceptable, before preparing full spray tank.

COMPATIBILITY: This is a high quality material that should leave no sediment when mixed with clear water. This product is compatible with most pesticides and fertilizers. It is advisable to test a small sample with any other materials used before volume mixing for compatibility.

Application: Always spray to run-off in sufficient water to ensure good coverage. 200-400 litres water per hectare for most crops and 2000 - 4000 litres of water per hectare for top fruit. Spray nozzle tips vary and as water is only the vehicle selected to enable an even coverage, local practise will vary considerably. Always ensure that your spray nozzle tips are clean and tested for accuracy regularly.

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