



CROP CARE CATALOGUE



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Actinovate® AG



BLACK GOLD
ALL THE RICHES OF THE EARTH®



TECHNIGRO
WATER SOLUBLE FERTILIZER

ORGANIC SOIL AMENDMENTS



Triple Cal® Organic

Broadcast powder 100% passing through a 100 mesh. PRNT – 125.

(CaO)...30%; (MgO)...15%; (SO₄)...5%

Contains Ca & Mg as carbonate, oxide, hydroxide & gypsum

TRIPLE CAL ® is fertilizer & acidic soil stabilizer with the highest efficiency and a triple effect by:

a) Stabilization of acid soils: improves pH levels, immediately neutralizes the toxic elements in acid soils (Aluminium, Manganese, and Iron).

b) Calcium, Magnesium and Sulfur are immediately available as fertilizers for plants, resulting in extremely vigorous roots.

The excellent soil movement of the elements in TRIPLE CAL® gives effectiveness without soil incorporation.

Regular limestone products are ineffective through a soil surface application. The presence of sulfur in the TRIPLE CAL ® gives a significant advantage to crops such as cereals, legumes, root crops, pineapples, fruit crops, turf grasses, Brassicas and most vegetables.

c) TRIPLE CAL ® causes the release of fixed phosphorus in soils. The results are: a robust root system and lower nutrient and water requirements.

Application: Apply TRIPLE CAL ® either manually or mechanically, incorporating into the soil, or in bands, broadcasted or on soil surfaces around the plant after planting without incorporating. Apply: 250 Kg to 1 metric tonne per hectare or 100 – 400 Kg per Acre.

For better results follow the recommendation from soil & tissue analyses.

Sizes: 10kg, 25kg, 50kg

Dolomite Plus® Organic

Broadcast powder 100% passing through a 800 mesh. PRNT – 1.

Calcium Carbonate (CaCO₃).....50%

Magnesium Carbonate (MgCO₃)....40%

DOLOMITE PLUS ® is an amended fertilizer to correct soil acidity problems and to provide calcium and magnesium for plant usage. DOLOMITE PLUS ® has undergone a physical change that increases efficiency & reactivity and reduces the well-known disadvantages that carbonates have. DOLOMITE PLUS ® is the purest product chemistry in the market. It has the highest magnesium percentage in comparison to any competitive dolomitic limestone. Thereby, offering an acidity control potential superior to any other dolomite.

DOLOMITE PLUS ® significantly improves the utilization of nutrients incorporated (25% to 40%) and allows the release of nutrients in the soil which are present, but are normally unavailable to plants.

Application: Apply DOLOMITE PLUS ® manually or mechanically. Incorporate into the soil or apply in bands in row crops, or broadcast onto beds or around plants as a band application. Depending on the physical-chemical conditions of soil and the crop requirements, DOLOMITE PLUS ® is recommended from 0.50 to 2 metric tonnes per hectare or 200-800 Kg per Acre.

For better results follow the recommendation from soil & tissue analyses.



ORGANIC FERTILIZERS



Black Gold® Starter & Transplant Fertilizer 3-5-3

Ingredients: Sulfate of potash, feather meal, bone meal, proprietary blend of endomycorrhizae.

Gentle enough for new plantings, Black Gold® Starter & Transplant Fertilizer is formulated to promote strong root growth after planting, which is the key to vigorous starts and transplants.

It is balanced, and is a non-burning blend which offers a readily available supply of nutrients and a proprietary blend of endomycorrhizae to allow young plants to become better established and more effectively access soil nutrients and water.



Sizes: 150g, 500g, 1.8kg



Black Gold® All Purpose Fertilizer (5-5-5)

Ingredients: Alfalfa meal, blood meal, bone meal, feather meal, kelp meal, sulfate of potash.

Black Gold® All Purpose Fertilizer is suited to nearly all crops, including vegetables, ornamentals, fruit trees, and small woody plants. It is formulated with natural nutrients and contains a balanced blend of the three macro-nutrients, nitrogen, phosphorus, and potassium.



Sizes: 150g, 500g, 1.8kg



Black Gold® Evergreen Fertilizer (5-5-3)

Ingredients: Cottonseed meal, blood meal, bone meal, feather meal, kelp meal, sulfate of potash.

This fruitful blend of all-natural fertilizers is formulated for evergreens, azaleas, acid-loving and actively growing plants. Its 5-5-3 NPK ratio promotes both vigorous growth and fruiting in container and in-ground plantings.



Sizes: 150g, 500g, 1.8kg



Black Gold® Tomato & Vegetable Fertilizer (4-5-3)

Ingredients: Sulfate of potash, kelp meal, feather meal, bone meal, blood meal, alfalfa meal.

A top-quality fertilizer for edible gardening, Black Gold® Tomato & Vegetable fertilizer will make crops thrive with its carefully formulated blend of natural nutrients. It contains both quick- and slow-release components and remains effective for up to six months, so one seasonal application is sufficient for most crops. The non-burning formula is safe for more tender plants.



Sizes: 150g, 500g, 1.8kg

WATER-SOLUBLE



Technigro Super Starter Plant Food 9-45-15 Plus

Complete plant starter for new seedlings and transplants. Its high phosphorous content stimulates root growth for quick results.

Directions for Use:

Mix ½ - 3 teaspoons of Super Starter formula per gallon of water, spray onto leaves and/ or drench roots with every watering.



Technigro All Purpose plant Food 15-30-15

Complete, all-purpose fertilizer that can be used on all plants for lush growth and enhanced development. Nutrient-rich and contains high levels of phosphorus and trace elements for deficient soils.

Directions for Use:

Mix ½ - 3 teaspoons of All Purpose Plant Food formula per gallon of water, spray onto leaves or drench roots with every watering.



Technigro Bloom Booster Plant Food 7-40-17 Plus

Promotes beautiful, bright blooms on all flowering plants including vegetables. Initiates flower production in plants that need extra care.

Directions for Use:

Mix ½ - 3 teaspoons of Bloom Booster formula per gallon of water, spray onto leaves or drench roots every 3 – 4 days.



Technigro Lawn & Turf Plant Food 24-7-15 Plus

Excellent for turf, lawn, and landscape. Its high nitrogen content promotes plant vigour, resulting in darker, thicker, green foliage.

Directions for Use:

Mix ½ - 3 teaspoons of Lawn and Turf formula per gallon of water, spray onto leaves or drench roots every 10-14 days.

GREENHOUSE & HYDROPONIC



Technigro Tomato Plant Food 04-18-38

Promotes healthy plant growth and results in large, juicy tomatoes. Ideal for soil based and hydroponic growing.

Directions for Use:

Mix ½ tsp of Tomato Food formula with ½ teaspoon calcium nitrate and ¼ teaspoon of Haifa Magnisal (Magnesium Nitrate) per gallon of water to drench roots with every watering.



Technigro Lettuce & Leafy Plant Food 8-15-36 Plus

Promotes lush & rapid growth with large leaves and dense heads. Improves disease resistance and taste.

Directions for Use:

Mix ½ tsp of Lettuce formula with ½ tsp calcium nitrate and ¼ tsp Haifa Magnisal, with every watering.



Technigro Special Herb Plant Food 4-20-39 Plus

Specially blended formula for herbs and cannabis with boosted levels of potassium and phosphorus.

Directions for Use:

Mix ½ tsp of Herb and Cannabis formula with ½ tsp calcium nitrate, ¼ tsp Magnisal per gallon of water, apply with every watering.

Haifa Bonus™ 13-2-44

Specially formulated foliar fertilizer



Multi-K™ based Haifa Bonus™ is a foliar potassic fertilizer that enables highly concentrated sprays which reduces the number of applications needed. Haifa Bonus™ formulas contain phosphorus which enriches nutrition and lowers the pH of the solution to 4-5, thereby making it suitable for tank mixing with a large variety of pesticides. Special adjuvants in Haifa Bonus™ formulas enhance adhesion to the leaf surface, improve absorption, and prolong action – NO ADDITIONAL sticker is needed.

Advantages of Haifa Bonus™

- Enables spray concentration of up to 5%
- Prolonged action
- Compatible with diverse pesticides; enabling tank mixing for spray operations savings
- Consists of pure, fully soluble nutrients only
- Free of sodium and chloride
- No sticker or adjuvants needed, rain fast once dried on leaf surface

Application: 4-6% solution weight/volume applied to leaves, or 20-40kg per hectare

APPLICATION RATES

Leafy Vegetables.....3-6 kg/ha (4-8 tbsp/gal)
Fruiting Vegetables.....6-9 kg/ha (8-12 tbsp/gal)
Field Crops.....9-12 kg/ha (12-16 tbsp/gal)
Root Crops.....12-15 kg/ha (16-20 tbsp/gal)

Multi-K Prills 13-0-46

Multi-K™ Prills offer the best available product for direct soil application. Side-dressings with Multi-K™ Prills are recommended as they meet the dynamic nutritional requirements of plants and improve nutrient use efficiency.



Application:

- Base- and side-dressing of all crops
- Blend mix for production of granular NPK fertilizer blends

Multi-K™ GG 13-0-46

Greenhouse Grade potassium nitrate
For Nutrigation™ and foliar feeding of greenhouse crops



Product Analysis

N-total	13.5%
N-NO3	13.5%
K2O	46.2%
K	38.4%
pH (10% soln.)	9.0
Insoluble matter	350 ppm
Bulk density	1.1 g/cm3





MKP™
Mono-potassium phosphate (0-52-34)

Haifa MKP™ is a highly efficient source of phosphorus and potassium for plants. Suitable for Nutrigation™ and foliar application, Haifa MKP™ is recommended for use at the beginning of the growing season, when phosphorus availability is crucial for the establishment of root systems. Haifa MKP™ can be tank-mixed with other fertilizers to meet crop nutritional needs throughout the growth cycle*. Haifa MKP™ is ideal for preparation of fertilizer blends and for production of liquid fertilizers.

Advantages of Haifa MKP™

- Fully water-soluble
- Consists of 100% plant nutrients
- Free of chloride, sodium and other detrimental elements for plants
- Suitable for the production of nutrient solutions
- Low pH
- Low salt index

Product Analysis

P2O5	52%
P	22.7%
K2O	34%
K	28.7%
Bulk density	1.2 kg/l

pH and EC of Haifa MKP™

Concentration %	pH	EC mS/cm
0.1	4.8	0.72
0.2	4.7	1.42
0.3	4.7	2.13
1.0	4.6	6.5
5.0	4.4	25.5

** Note: Haifa MKP™ should not be mixed with calcium or magnesium fertilizers.*



Magnisal™ Magnesium nitrate (11-0-0+16MgO)

Magnisal™ provides plants with easily absorbed magnesium, which is absolutely essential for photosynthesis and other processes. The nitrate-nitrogen in Magnisal™ is readily consumed by plants and this improves efficiency of magnesium uptake. Magnisal™ is supplied in the form of flakes for convenient handling and is suitable for Nutrigation™ and foliar feeding of all crops.

Advantages of Magnisal™

- Fully and highly water-soluble
- Consists of 100% plant nutrients
- Free of chloride, sodium and other detrimental elements for plants
- Contains nitrate for most efficient magnesium uptake
- Moderately acidic solution at optimal pH for foliar application

Product Analysis

N total	11.0%
N-NO3	11.0%
MgO	16.0%
Mg	9.7%
Insoluble matter	300 ppm
Bulk density	0.7 g/cm3

pH and EC of Haifa MKP™

Concentration %	pH	EC mS/cm
0.1	5.6	0.88
0.2	5.5	1.69
0.3	5.4	2.52
1.0	4.8	7.58
5.0	4.1	29.9

HYDROPONIC & GREENHOUSE

Haifa Cal™ 15.5-0-0.26.5 CaO



Haifa Cal™ is a highly efficient source of available calcium and nitrogen for plants. Calcium is a “quality nutrient” that enhances yield quality and prolongs shelf life of the yields. As calcium is not mobile in the plant, it has to be supplied throughout the growth season to keep adequate levels in the plant tissues and to ensure proper development. The nitrate-nitrogen in Haifa Cal™ is readily consumed by the plant and improves the efficiency of calcium uptake.

Advantages of Haifa Cal™

- Fully water-soluble
- Consists of 100% plant nutrients
- Free of sulfate
- Free of chloride, sodium and other elements detrimental to plants
- Suitable for the production of nutrient solutions

Greenhouse Grade

For Nutrigation™ and foliar feeding of greenhouse crops; suitable for preparation of fertilizer blends and liquid fertilizers

Product Analysis

N Total	15.5%
N-NO3	14.4%
N-NH4	1.1%
CaO	26.5%
Ca	19.0%
Insoluble matter	300 ppm

Fertilizer Portfolio

Product	Nutrients				Application				
	N	P	K	Others	Drip	Foliar	Soil	Hydroponic	Greenhouse
Multi-K™ TM Classic	+		+		+	+	+		+
Multi-K™ TM CG	+		+		+	+			+
Haifa Bonus™ TM	+	+	+			+			
Multi-K™ TM PnIs	+		+				+		
Haifa MKP™ TM		+	+		+	+			+
Magnisal™ TM	+			Mg	+	+			+
Haifa Cal™ TM CG	+			Ca	+	+			+
Technigro Tomato & Vegetable (4-18-38)	+	+	+	+	+	+		+	+
Technigro Lettuce & Leafy (8-15-36)	+	+	+	+	+	+		+	+
Technigro Special Herb (4-20-39)	+	+	+	+	+	+		+	+
Technigro Starter (9-45-15)	+	+	+	+	+	+			
Technigro All Purpose (15-30-15)	+	+	+	+	+	+			
Technigro Turf & Lawn (27-7-15)	+	+	+	+	+	+			
Technigro Bloom Booster (7-40-17)	+	+	+	+	+	+			
Black Gold Starter (3-5-3)	+	+	+	+			+		
Black Gold All Purpose (5-5-5)	+	+	+	+			+		
Black Gold All Purpose (5-5-5)	+	+	+	+			+		
Black Gold Tomato & Vegetable (4-5-3)	+	+	+	+			+		
Black Gold Rose & Flower (4-6-2)	+	+	+	+			+		
Triple Cal				Mg, Ca			+		
Dolomite				Mg, Ca			+		

What is Actinovate?

Actinovate AG is biological fungicide for the suppression or control of a broad range of soil-borne and foliar diseases across multiple crops for agricultural and greenhouse uses.

Active ingredient: *Streptomyces lydicus* WYEC 108

Origin: Isolated from the roots of linseed plants

Benefits Actinovate?

- Beneficial bacteria with multiple modes of action
- 0-day pre-harvest interval (PHI)
- 4-hour restricted entry interval (REI)
- Broad spectrum activity on both soil and foliar diseases
- Immediate plant-back
- OMRI listed

Application Rates

Soil Application

As a preventative measure, apply Actinovate as early as possible to the plant's root system, and reapply every 2-12 weeks as needed.

For root-zone applications, drench with 4-6 ounces of Actinovate per 100 gallons of water (1/2 – 1 teaspoon per gallon). This solution should be watered into damp soils.

Foliar Application

In foliar applications, it is best to apply prior to disease development, or at the first signs of pathogen infection, and repeat at 7-14 day intervals to protect new foliage.

Foliar applications, dissolve 170 – 240 grams of Actinovate in 50-100 gallons of water (1/2 – 1 teaspoon per gallon). Spray leaves, stems, and new shoots to wet, but not quite to run off, providing complete coverage of the entire plant.

Green House Application

In greenhouses and nurseries, Actinovate can be applied to the foliage and root zone via chemigation at a rate of 1-12 ounces of Actinovate per 10-200 gallons of water, depending on the desired application (1/2 – 2 tablespoons per gallon).



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CONTACT US

3-5 Ibis Avenue, Ibis Acres, **San Juan**
21 Scott Street, **San Fernando**
1 O'Meara Road, **Arima**

 1 868 612-4FTF (4383)

 www.ftfarfan.com

 FT Farfan Ltd.

 FT Farfan ALG (Agriculture, Lawn and Garden) Division

FT FARFAN
APPROPRIATE
TECHNOLOGY
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