



agrichem



Bananas

Nutrition application program



INNOVATING *25* years IN CROP NUTRITION



1800 654 758
www.agrichem.com.au



Pre-Plant and Plant



Pre-plant applications of humic acid products increase moisture and nutrient retention giving the new plant the best possible environment in which to establish. The young plant also requires phosphorus and plant hormones to develop a strong root system that can supply the needs of the growing plant.

Agromate

70% humic acid, 80% organic matter

200 – 250g plant hole or a general application of 200 – 300 kg / ha incorporated into the top soil

Supa Stand Phos

NPK 6-10-3 + 10% germination booster

1:100 L used as a seed piece dip pre-plant

Early Growth - Belling



Banana plants grow very quickly and need a lot of nutrients to keep up this rapid growth. Repeated auxin applications will ensure new feeder roots are continuously grown to enable this nutrient demand. Zinc is involved with natural auxin production, enzyme activity and in combination with phosphorus maintains new root development. Ample boron is needed to ensure pollination and fruit set during the later stages.

Groflow 44H

NPK 15-7-13 + humic acid

12 – 18 L / ha fertigated

Activist Max Zinc

70% Highly Active Zinc

0.5 – 1.5 L / ha foliar applied or fertigated

Supa Bor

NPK 4-0-0 + 10% B

0.5 – 1.5 L / ha aerial application or

2 – 3 L / ha ground rig foliar applied at least 7 days pre flower

Kelpak

100% seaweed concentrate

11mg/L auxins, 0.031 mg/L cytokinins

0.5L/ha foliar applied every 14-21 days

Stand SKH

NPK 0-0-15 + 20% Silica + 1% humic acid

2 – 3 L / ha foliar applied at regular intervals or 5L /ha as fertigated

Belling - Flowering



Flowering and fruit set are high nutrient and energy demand periods. Potassium application is essential for fruit retention and in combination with phosphorus is required for fruit development. Starting calcium application at this stage will supply the immediate calcium needs of the developing fruit and set the plant up for high calcium demand periods during fruit fill.

Groflow 44H

NPK 15-7-13 + humic acid

12 – 18 L / ha fertigated

Activist Max Zinc

70% Highly Active Zinc

0.5 – 1.5 L / ha foliar applied or fertigated

Supa Bor

NPK 4-0-0 + 10% B

0.5 – 1.5 L / ha aerial application or

2 – 3 L / ha ground rig foliar applied at least 7 days pre flower

Supa Trace Advance

NPK 3-0-0

4.8% S, 1.8% Zn, 1.6% Fe, 1.4% Mg, 1.3% Mn, 0.6% Cu, 0.03% Mo, 0.6% B

3 – 5 L / ha foliar applied or fertigated; repeat at 10 – 14 day intervals

Grocal MGB

NPK 10-0-0 + 17% Ca, 4% Mg, 0.1% B

2 – 5 L / ha foliar applied every 2 weeks with compatible crop sprays

Kelpak

100% seaweed concentrate

11mg/L auxins, 0.031 mg/L cytokinins

0.5L/ha foliar applied every 14-21 days

*all rates are W/V%

Legend: Application

-  Spreading
-  Foliar
-  In Furrow
-  Aerial Spray
-  Fertigation
-  Boom Spray
-  Pre plant dip
-  Soil Drench
-  Seed Coating
-  Trickle

Early Bunch Development



It is essential to keep up the nitrogen, phosphorus, potassium and calcium nutrition. Start to decrease nitrogen as too much available nitrogen could be detrimental to fruit quality.

Tropical K

NPK 5-10-27 + trace elements + humic acid

5 L / ha maximum as foliar application at 7 – 14 day intervals or

12 – 18 L / ha fertigated at 7 – 14 day intervals

Grocal MGB

NPK 10-0-0 + 17% Ca, 4% Mg, 0.1% B

2 – 5 L / ha foliar applied every 2 weeks

Kelpak

100% seaweed concentrate

11mg/L auxins, 0.031 mg/L cytokinins

0.5L/ha foliar applied every 14-21 days

Fruit Fill



For maximum yield, nutrition must be tuned to achieve high bunch weights. Nitrogen, phosphorus, potassium and calcium are the nutrients that play a big role. It is very important to keep up the calcium applications for good firm fruit with a long shelf life.

Tropical K

NPK 5-10-27 + trace elements + humic acid

5 L / ha maximum as foliar application

at 7 – 14 day intervals or 12 – 18 L / ha fertigated at 7 – 14 day intervals

Grocal MGB

NPK 10-0-0 + 17% Ca, 4% Mg, 0.1% B

2 – 5 L / ha foliar applied every 2 weeks with compatible crop sprays

Kelpak

100% seaweed concentrate

11mg/L auxins, 0.031 mg/L cytokinins

0.5L/ha foliar applied every 14-21 days

Late Fruit Fill - Harvest



Fruit quality should be the main concern during this period. High available potassium levels will increase flavour, colour and yield.

Tropical K

NPK 5-10-27 + trace elements + humic acid

5 L / ha maximum as foliar application at 7 – 14 day intervals or 12 – 18 L / ha fertigated at 7 – 14 day intervals

OR

Supa K 30

NPK 0-0-30 + trace elements

3 L / ha aerial foliar application, minimum 2 applications; could be done in combination with Dithane and oil

5 – 7 L / ha ground rig foliar application on its own at 14 day intervals, minimum 2 applications. **Do not** apply to uncovered young bananas

Grocal MGB

NPK 10-0-0 + 17% Ca, 4% Mg, 0.1% B

2 – 5 L / ha foliar applied every 2 weeks with compatible crop sprays

Kelpak

100% seaweed concentrate

11mg/L auxins, 0.031 mg/L cytokinins

0.5L/ha foliar applied every 14-21 days

General Plant and Soil Health

Healthy Soil – The use of a humic-acid product such as Agrichem's **Supa Humus 26** (26% liquid Potassium Humate), **Agrolig** (75% granular humic acid) or **Agro-MATE** (70% granular Humic Acid) is recommended in all Nutrition Application Programs to improve soil health, structure, microbial-activity and nutrient retention which all contribute to improving plant-health.

Healthy Plant – Agrichem's unique seaweed extract **Kelpak** is a naturally derived plant biostimulant containing the highest auxin to cytokinin ratio in the world. It has been used widely to achieve significant improvements in crop yield and quality.

For further information on these products contact your local Agrichem Area Manager.

Product Selection

This is a small selection of products available from the Agrichem Product Range. This program is intended as a guide-only as actual product choice, rates, frequency and application methods will vary significantly depending on variety selection, cropping intensity, soil and environmental conditions and a range of other factors.

Plant tissue tests should regularly be used to provide confirmation of plant nutrient status.

Additional Plant Nutrition Programs available from Agrichem:

Innovation

For 25-years Agrichem has been recognised as the pioneering market leader in the field of fluid-fertilisers, specialty crop-protection products and application technologies.

Agrichem's enduring commitment to fundamental research in the area of nutritional plant-physiology has consistently rewarded Agrichem with significant scientific breakthroughs. These technological advances combined with Agrichem's dedication to conducting intensive international field-trials allow Agrichem to frequently launch a range of innovative products.

Our Promise

- to provide a range of quality, innovative and cost-effective products to global agribusiness.
- to enlighten all our stakeholders on the importance of efficient fertilisation
- to continue to invest in the knowledge of the communities we operate in.
- to maximise the sustainability of our operations and those of our stakeholders.

Seal of Quality

In 2006 Agrichem was the first in the industry to achieve ISO9000 quality accreditation for its manufacturing facilities, further formalising Agrichem's commitment to quality. Agrichem's team of chemists in Australia and internationally oversee the manufacturing of every batch of product conducting a series of quality tests, including the following 10 tests.

1. pH - testing of final formulation
2. Rheology - testing of formulation flowability
3. Clarity - testing formulation for contaminants
4. Shelf life - testing for formulation stability
5. Particle sizing - analysis of final formulation
6. Dispersion - analysis of formulation
7. Pantone colour - profile adjustment
8. Odour - analysis of final formulation
9. Centrifuge - analysis of sedimentation
10. Certificate of Analysis following the manufacturing process, each batch of products is subjected to a series of Quality-Assurance tests. Only once the analysis is confirmed to be consistent with specification, is the Certificate of Analysis issued.



My Regional Manager



agrichem

.....

.....

.....

.....

Africa • Asia • Australia • Europe • Latin America • Middle East • North America

Please write or attach business card here of your regional manager.

Customer Service & Technical Support
Free call 1800 654 758

