

G & A Crop Nutrition Ltd

NUTRITION PRODUCTS GUIDE



Nutriphos + Amino acids 4-23.8-23.1

Improves plant rooting strengthens plant tissue enhances disease resistance and uptake of other products that are tank mixed.

Contains Po_3 a known plant health promoter which is very systemic and moves into plant rapidly via phloem and xylem.

The role of phosphorus in the product it influences the utilization of other nutrients N K Mg Zn improves the plants ability to withstand stress regulates the utilisation of sugars and starch and transfers energy through ATP.

The Amino acids present act as very efficient chelation agents , increase nutrient and calcium uptake and act as growth promoters.

Rate 0.4 -3 l/ha Crops OSR Potatoes Vegetables Cereals Root vegetables Ornamentals
Protected crops Top fruit



NitroCal 12%NH²- 10.5%CaO – 3.5% MgO 0.2%B

A formulation of stabilised NH² which will help to promote early root growth along with CaO which will help create strong cell wall structure and prevent the plant from stress reactions due to heat, drought or water excess.

Magnesium helps in photosynthesis as it is a constituent in chlorophyll and is vital to plant growth when deficient it can lead to a decline in growth and ultimately crop yield.

The formulation contains B which is important in controlling water uptake to cells translocation of sugars reproduction and pollen germination it is also responsible for metabolic disorders, in 2017 B was the most deficient element, 60% of tissue tests were deficient in B.



Crop Mix

5%Mn - 3.4%Zn - 1.7%Cu - 0.2%B - 4.3%SO₃

A balanced foliar feed of essential micro-elements that can be used on a wide range of crops this is an ideal partner to use through the growing season to ensure a steady availability of micro – elements . This product will help to ensure we create the correct balance of nutrition for the plant to achieve its genetically highest potential yield. It is possible to limit the true potential of your crop by limiting nutrition, in 2017 Boron and zinc were the most deficient nutrients found in tissue tests in UK.

This product can be used on a range of crops from cereals , potatoes , oilseed rape , vegetables , root vegetables , ornamentals.

Dose rate 1-3l/ha start early in crop life from 4 Tl Use lower dose rates and sequential applications through growing season cereals GS 14 GS 28-30 To GS 31 T1 GS 39 T2



Veg Mix

3.7%Mn-2.5%Zn-2.5%Cu-3%Fe-B 0.2%-7.0%S

A foliar feed that is especially suited to crops on high ph soils, it contains a number of essential elements for many crops that will enhance colour and create a healthy crop that is better able to withstand disease pressure during the season. High ph and Calcareous soils require Fe ,Cu ,Zn ,Mn and B soils ph 8 and over have a limited availability of S

Dose 1-3 l/ha sequential low doses are the preferred option in the spring/Summer. When applications are difficult and late in the season then a 2-3 l single dose could be made to veg or a 1-2 lt to cereals in the autumn.

Crops Cauliflower, Brussel sprouts, cabbage, Savoy, kale, Spring greens, ornamentals , Cereals

Peas /Beans , Linseed , Sugar Beet , Carrots



Twin Element mixes

Mn/Zn	7% Mn + 3% Zn
Mn/Mg	7.5% Mn+2.5%Mg+7.8%S
Mg/Nitrate	8%Mg+9% N
N/Ca	19%N +7% Ca
Mg/S	5% Mg + 6.7%S
Set Ca/B	10%Ca+0.5%B
ATS	15%N +32
Growth Balancer	11.8% B + 0.13%Mo



Quad

N 8% - Ca 6% - K²O 6% - 0.1%B

A general feed well suited to mid and late season canopies of many crops where a nutrient mix needs to maintain colour prevent stress and regulate water and cell expansion in the crop.

Crops cereals , potatoes , root veg , vegetables, pumpkins , Kale , Lettuce , Ornamentals

Dose 1-3 lt/ha lower doses if regular applications are being made.



Sunburst

N 24% w/v - Ca 9.2% w/v

- Stabilised foliar urea with calcium and chloride
- The addition of calcium to Nitrogen results in increased uptake better use efficiency and absorption
- Calcium is essential to increase cell wall strength in all crops . This makes the plants more resistant to attack by pests and disease.
- Oilseed rape crops have as much Ca in seed as Mg but offtake in stubble is 3 x higher than Mg and 2x higher than S.
- Supplies the crop with chloride which has been shown to enhance the plants resistance to drought and diseases such as Septoria and fusarium.



Growth Balancer

B 11.8% Mo 0.13%

- Boron and molybdenum working in synergy to balance plant growth at critical development times.
- Boron plays a major role as a micronutrient and is increasingly deficient in many tissue analysis.
- The roles of Boron in the plant, it plays a major role in regulating water intake into the cells it also plays an important role in foliage development and the translocation of sugars around the plant.
- Molybdenum plays an extremely important role in N fixing bacteria in the nodules of legumes.
- Increasing Mo can increase the performance of the Nitrogen fixing bacteria.
- Mo will help the Nitrate reductase enzyme in the plant convert Nitrate into a form that can build protein in the plant.
- Deficiency will cause a reduction in nitrate reductase activity in the plant, and stunting of the plant.



Avan Amino plus

- A blend of 18 L -Amino acids derived from plant based products, the L form is the only type of Amino acid that can be assimilated by plants.
- Amino acids carry out all kinds of functions in the plant and with how the plant can obtain nutrition products.
- Amino acids can have a big impact in anti stress roles in the plant which may be from hot or cold conditions ,drought and the way in which the plant gets its water balance corrected.
- This product also has 11% of Fulvic acids in its composition which act as chelation agents to other nutritional products in the tank mix and make them more available to the plant.
- Amino acids create organic N in the mix giving around 3.75%



Dinka

Natural Rhizobacteria

- Spores of the Bacillus family Amyloliqefaciens produced from a natural bacteria that will tolerate lower soil temperatures than other similar products to multiply in the soil around the root zone.
- Dinka contains live spores that germinate in the presence of root exudates
- Dinka produces Metabolites that stimulate plant growth increase yield and induce plant resistance
- Benefits from Dinka Germination, Rooting, Yield, Vigour, Reduced frequency and intensity of disease, Increased tolerance to abiotic stress, Increased availability of auxins and other hormones produced by dinka in the soil.



Vitas 2

Biological soil life enhancer

- A product for using in the soil to promote Biological life
- This product can be applied to the soil and worked in or incorporated into liquid fertiliser and applied with a drill into the seed coulter or used on the seed .
- Containing Humic acids Fulvic acids and Amino acids with trace amounts of N P K
- Transporting nutrients and water to the root depletion zone
- Promotes cell division and elongation
- Stimulates the plant immune system
- Creates Equilibrium of soil flora and benefits the micro flora facilitating assimilation of nutrients
- Auxin development stimulation of germination and nitrogen metabolism.

