



GreenForce NZ Ltd

Priya Chemicals - Amino Acid Product Range



<p>GreenForce Amino (Protein Hydrolysate 40%) Bio-Gro Permitted #4038 CO1</p> <p>Pack Size 1 & 10Ltr Composition (minimum): Organic Nitrogen 6% W/V; Total Amino Acids 38% W/V; Total Free Amino Acids 10% W/V</p> <p>Extraction: Enzymic hydrolysis from Non GMO Soya</p> <p>pH 4.0 to 6.5</p> <p>Application: Foliar & Soil Drench</p> <p>Application Rates: 300-700 mils/Ha/application</p>	<p>Protein Hydrolysate Solution is manufactured from casein & Soya bean by a patented method of enzymic hydrolysis. Amino acids are in the L-form and are biologically pure and are in a free state. The short chain Peptides have a molecular weight of less than 400gr per mole. Amino acids are very active compounds and are maintained in that state by Priya Chemicals patented technology. The amino acids in this product consists of all essential Amino Acids including L-Tryptophan which is an important amino acid for Auxin synthesis in plants. L-Tryptophan is otherwise destroyed by acid or alkali extraction methods. Nitrates and ammonium compounds are absent.</p> <p>Beneficial aspects of L-Amino Acids</p> <ul style="list-style-type: none"> Protein Synthesis. Stress Resistance and stress recovery. Stomata function to assist opening of stoma. Chelating effect on micro nutrients to improve absorption and transportation within plants. Precursors to Phytohormones act as stimulus/catalysts to plant hormone functions. Pollination efficiency Amino acids are essential for pollination and increase pollen germination and the length of the pollinic tube. Stabilising of soil flora cell structure and precursors to growth factors that stabilize cells walls of microflora.
<p>Perfectose (Liquid) Bio-Gro Restricted Permit #4038 CO1</p> <p>Pack Size 1 & 10Ltr Composition: Organic N 2-3%; Bo 0.025; Cu 0.25; Fe 0.25; Mg 0.5; Mn 1.0 Zn 2.8. Total Amino Acids 13 to 19% W/V; Total Free Amino Acids 119grm/Lt W/V Extraction: Enzymic hydrolysis from Non GMO Soya</p> <p>pH 4.0 to 5.0 Application Rates: 650mils to 1L /Ha/application or 65 to 100mil per 100L</p>	<p>Perfectose has amino acids with mol.wt. less than 400gms per mole which penetrate through stomata of plants into the physiochemical & biochemical systems of plants. To boost up the immunity of plants it is essential to utilize amino acids. Perfectose contains chelated micronutrients manufactured by process patent #178733.</p> <p>Perfectose offers the following advantages:</p> <ul style="list-style-type: none"> Improved photosynthesis process which leads to better synthesis of chlorophyll & subsequent improvements in yield. Reduces flower & fruit drop Improves efficiency of fertilizers (nutrient uptake) Improves stress resistance against drought, frost and pests Improves yield and keeping quality of fruits, vegetables & other perennial crops

<p>Perfectose GT Liquid Bio-Gro Restricted Permit #4038 CO1</p> <p>Pack Size 5 ltr Composition: Organic N 5% W/V; Ca 8% W/V (Ca Chloride – mined); Bo 0.2% W/V; Total Amino Acids 28%; Free Amino Acids 8%; Organic Matter 90% Application: Foliar & Soil Drench (Turf) Approx. Application Rates: Foliar 600mils to 1L/Ha/application</p>	<p>Perfectose-GT is an amino acid chelated calcium product developed to correct calcium deficiency of turf & garden grass. GT can also be applied to fruit & vegetable crops.</p> <p>The chelated calcium in Perfectose-GT is readily absorbed by leaves and/or roots of plants regardless of soil & environment conditions. The amino acids used increase the absorption & transportation of nutrients through the leaves into the plant.</p> <p>The calcium absorption is increased along with enhancing translocation of this essential nutrient to growing points of the plant. These biologically active L-a- amino acids obtained by enzymic hydrolysis improve photosynthesis & offer maximum protection from stress.</p> <p>Application:</p> <p>Perfectose-GT can be applied by foliar spray, soil drench or fertigation. An immediate response is observed when Perfectose-GT is applied by foliar on turf (sprayed to run off). This product should be used to prevent & control calcium deficiency in plants. In turf it maintains grass turgidity and quality.</p>
<p>Perfectose - S Liquid Bio-Gro Restricted Permit #4038 CO1</p> <p>Composition: Organic N 4.4% W/V; Ca 25% W/V (Cal. Chloride – mined); Total Amino Acids 28% Extraction: Enzymic hydrolysis from Non GMO Soya pH: 4.8 to 5.5 Application: Foliar & Soil Drench (Salinity & Soil Structure)</p>	<p>Perfectose-S is an amino acid chelated calcium product with 100% of the calcium available to the plants. The presence of amino acids, a natural bio-activator, improves the biological activity of the soil. It helps to correct calcium deficiency when applied as a foliar spray to plants.</p> <p>The slow movement of calcium within a plant may make it necessary to carry repeated foliar applications of chelated calcium.</p> <p>Perfectose-S supplies calcium fully chelated with amino acids with a mol.wt. of less than 400 gms per mole which helps faster penetration through stoma.</p> <p>Applied as a soil drench Perfectose-S improves soil structure by improving growth of soil micro-organisms. It reduces pH of soil with high sodium content by leaching effect on sodium and thus reducing compaction. These combined effects synergistically improve the porosity, aeration, permeability and water retention capacity of the soil.</p> <p>Salinity reduction is achieved by the action of amino acids which replace sodium on the clay-humus complex encouraging it lixiviation & improving soil structure.</p> <p>Application:</p> <p>1) Soil Can be applied by irrigation, flooding or drip irrigation. Rate; 3 to 4 litres per hectare</p> <p>2) Foliar Olive; Tomato; Strawberry; Lettuce; Pepper; Apple; Pear & other crops For stimulation of plant metabolism & calcium deficiency correction: Rate; 650mils to 1L per hectare in 650 litres of water</p>
<p>Pronto (Amino Acids Organic N & Kelp extract) Bio-Gro Permitted # 4038 CO1</p> <p>Pack Size 1 & 5 Ltr Composition: Organic N 2.2-3.2% W/V; Total Amino Acids 165gr/ltr; Free Amino Acids 130 gr/ltr; Seaweed Extract (Ascophyllum nodosum) 12.5% pH: 5.0 – 6.5 Application: Foliar & Soil Application Rates: 250 to 500mils / in 650 litres water per ha or 40mils per 100L water.</p>	<p>Pronto is a biotechnical product based on seaweed extract & Amino Acids. It consists of Amino Acids 20% & Seaweed extract 12.5%.</p> <p>Seaweed extract is obtained from Ascophyllum nodosum. Seaweed extract is a stress alleviator, effective in biotic & abiotic stress conditions of plants maximizing both crop yield and quality.</p> <p>Beneficial Effects of Pronto</p> <ol style="list-style-type: none"> 1) Increased crop yield. 2) Increased uptake of inorganic nutrients from soil and improved photosynthesis. 3) Improved shelf life of fruit 4) Improved seed germination 5) Improved root development 6) Increased resistance to stress conditions <p>Seaweed extract consists of cytokine's, auxins & betains. Betains are Methyl Donors which plants convert to formaldehydes which lead to improved immunity in crops. Betains may play an important role in reducing root knot nematode infestation and leaf curl caused by Thrips and Mites.</p>

<p>Perfectose Powder Bio-Gro Restricted Permit #4038 CO1</p> <p>Pack Size 25kg Composition: Organic N 2–3 % W/W; Bo 0.025; Cu 0.25; Fe 0.25; Mg 0.5; Mn 1.0; Zn 2.8. Total Amino Acids 13 – 19% W/V; Total Free Amino Acids 119gm/Lt W/V pH: 4.0 – 6.0 @ 1% of solution Application Rates: Soil 20kg /ha; Compost 2 to 5kg /m3</p>	<p>Perfectose Powder is a product consisting of Amino Acids needed to improve efficiency of plants for improved uptake& utilization of nutrients leading to proper utilization of water and nutrients from the soil.</p> <p>Amino Acids provide the following benefits when applied through soil:</p> <ul style="list-style-type: none"> • Better utilization of nutrients & water • Strengthening of root system by increasing lateral roots • Improved photosynthesis process • Improved plant immunity & increased resistance to environmental stress & pests & diseases <p>Noticeable effects in plants:</p> <ol style="list-style-type: none"> 1. Dark green leaves 2. Profuse & sturdy growth 3. Reduction in flower & fruit drop 4. Greater white root development 5. Improved internode length 6. Higher yields 7. Improved keeping quality 												
<p>Ankur (Seed Germination Activator) Bio-Gro Restricted Permit # 4038 CO1</p> <p>Pack Size 100gr & 50kg Composition: Organic N 5 – 6% w/w; Ca 1%; Cu 0.25%; Fe 0.25%; Mg 0.5%; Mn 2.5%; S 2.5%; Zn 1.25% Extraction: Enzymic hydrolysis from Non GMO Soya pH: 4.0 – 6.0 (1% soln. in water) Application Rates: 200 to 500gr per quantity of seeds for 1 hectare</p>	<p>##Amino Acids play a very important role during seed germination. The release of enzymes needed during seed germination is activated by amino acids present around the seed.</p> <p>Amino Acids when coated on seed offer the following advantages:</p> <ul style="list-style-type: none"> Improved germination rates Better sprouting Increase in root mass and growth Improved absorption of nutrients Increased white root formation Increased stress resistance Higher yields and crop quality <p>Rates of Application:</p> <table border="0"> <thead> <tr> <th>Crop</th> <th>Rate of Ankur per quantity of seeds for 1 hectare</th> </tr> </thead> <tbody> <tr> <td>1) Vegetables</td> <td>200 grams</td> </tr> <tr> <td>2) Fruit</td> <td>200 grams</td> </tr> <tr> <td>3) Pulses</td> <td>500 grams</td> </tr> <tr> <td>4) Oil Seeds</td> <td>500 grams</td> </tr> <tr> <td>5) Cereals</td> <td>200 grams</td> </tr> </tbody> </table> <p>Ankur is stable from 5•c to 50•c and does not decompose. Ankur can be stored within this temperature range without any loss of biochemical activity for 3 years. Ankur is non toxic to plants, humans and animals. Ankur is an environmentally safe product</p>	Crop	Rate of Ankur per quantity of seeds for 1 hectare	1) Vegetables	200 grams	2) Fruit	200 grams	3) Pulses	500 grams	4) Oil Seeds	500 grams	5) Cereals	200 grams
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