

# ProVia AP21™

Amino Acid/Peptide Biostimulant and Crop Stress Aid

## Harness the Power of Plant Protein!



### Increases Crop Stress Tolerance and Recovery

ProVia AP21 mitigates crop stress and speeds crop stress recovery. The bio-active peptide and amino acids stimulate cell growth and cell strength making the plant and roots stronger, more resistant to stress. Provia AP21 acts as a catalyst for enzyme production activating the plants own defense enzyme production.



### Improves Plant Nutrition and Nitrogen Uptake

ProVia AP21 is a natural chelating agent that stimulates plant growth by improving nutritional uptake and assimilation of macro and micro nutrients. It can also enhance the uptake of important minerals such as calcium, magnesium and phosphorus. The biologically active peptides in Provia AP21 also enhance the production of chlorophyll and photosynthesis which improves carbon draw down while providing food and energy for the plant to grow.



### High Carbon Formula Activates Soil Microbiome

ProVia AP21 has a high carbon formula that provides food and energy for soil microbes. A healthy microbiome is the key to nutrient cycling process. Active soil microbes are critical for decomposing organic residues and recycling soil nutrients. It is also important in the suppression of pests and pathogens.

**The biostimulant tank mix additive that improves the effectiveness of fertilization and crop protection programs.**



5% Organic Nitrogen

## Amino Acid/Peptide Biostimulant and Crop Stress Aid

5 - 0 - 0

### PURPOSE

ProVia AP21 is a liquid compound of micronutrients and organic molecules obtained by hydrolysis of vegetal protein. A unique plant-based supplement blend and biostimulant concentrate formulated to enhance plant nutrition, stimulate plant growth and mitigate crop stress. ProVia AP21 is a multifunctional product that can be used in combination with other inputs, both conventional and organic.

### GUARANTEED ANALYSIS:

Total Nitrogen (N).....5%

5% Water-Soluble Nitrogen

Derived from Soy Protein Hydrolysate

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapfco.orf/metals.htm>

### APPLICATION:

Apply to soil, existing plants, seed beds or roots at transplant time for any plants. Make physical contact between the product and the plant root/seeds. Mix ProVia AP21 with required amount of water and apply. Follow the direction of use as shown below, SDS and users guide.

- Apply directly on seed and crop foliage.
- Apply at 3-4-leaf stage for maximum root development and triggering maximum plant vigor.
- Apply at vegetative stage before bud-set and pre-flowering for higher Nitrogen needs, increased total nutrient uptake and induce a systemic response for plants protection to abiotic stresses.
- Can be applied at early reproductive stages to meet Nitrogen demand and trigger plant protection responses.
- Recommended to split seasonal rates if applying multiple times during the season to stay within suggested rates, (i.e., corn 16oz in-furrow, 16oz foliar)

### Dosage Recommendation and direction of use:

Crops	Application Rate (oz./ac)	Direction of Use
Open Field: Cereals, Pulses, Oil Crop, Root Crop, Fruits and Vegetables	12 - 16oz. 1 -3 application per season	In-furrow, Irrigation and foliar application: Use product in required amount of water and apply during the growing cycle.
Transplanted Crops: Berries, Grape, Apple, Ornamentals	12 - 16oz. 1 -3 application per season	In-furrow, Irrigation and foliar application: Use product in required amount of water and apply during the growing cycle.
Greenhouse Crops	FOLIAR/DRIP: 4 - 8oz/26gal of water SOIL/SUBSTRATE: 32oz/ac 3 - 6 applications every 10 - 15 days	
Established Crops: Berries, Grape, Apple and other fruits, Ornamentals and shrubs	16 - 32oz. 2 -3 application per season	Irrigation and foliar application: Use product in required amount of water and apply during the growing cycle.
Turf and Grasses	16 - 32oz. 2 -3 application per season	Irrigation and foliar application: Use product in required amount of water and apply during the growing cycle.

It can be diluted or mixed with other compatible liquid nutrients and other inputs (i.e. fungicides or pesticides). Confirm tank mix compatibility and crop tolerance before mixing with other products. For more detailed directions for use on this product, contact your representative at NuVia Technologies.

Caution: The product contains micronutrients and soy amino acids, and should be used as recommended. SDS: Please read the product Safety Data Sheet before use.

MANUFACTURED FOR AND GUARANTEED BY:



Expertise in Agricultural Biochemistry, Microbiology, Bioprocess Engineering and Environmental Applications

85 Chambers Dr - Alax, ON - L1T 1E2 - Canada - nuviatec.com



### Mode of Action:

ProVia AP21 (amino acids) is an organic molecules that forms the "building blocks" from which proteins are made. ProVia AP21, helps to prevent micronutrient deficiencies by stimulating the metabolism of plant processes and reduce plant stress.

### CAUTION

The product contains micronutrients and soy amino acids, and should be used as recommended.

Keep out of reach of children. Do not breathe dusts or mists.

Wash thoroughly after handling. Do not eat, drink when using this product.

Product Spillage: In case of spills, sweep or vacuum without creating dust, into a suitable container for disposal and wash area with water.

### FIRST AID

SKIN CONTACT: Rinse thoroughly with water.

If irritation persist seek medical attention.

EYE CONTACT: Rinse thoroughly with water.

If irritation persist seek medical attention.

SWALLOWING: Rinse mouth thoroughly with water, salt water if possible. Induce vomiting and seek medical attention.

### STORAGE

- Keep container closed when not in use.
- For best temperature control, store product and treated seed at same dry floor surface.
- Use before the expiration date. The expiration date is valid only for unopened packs stored under the recommended conditions above.
- Store product in original packaging under dry conditions, preferable room temperature or colder
- Avoid direct sun- light and excess heat.
- Keep container tightly closed and sealed until ready for use.

**Disclaimer:** Since the use of this product is beyond our control we will not accept any liability for the misuse or claims otherwise except for quality of the product.



**Product Available in:**  
32 oz, 1 Gal., 2.5 Gal.  
265gal (IBC Tote)

**BATCH NO:**  
**MFG DATE:**  
**EXP DATE:**

