



22-0-16 VEG

WITH 82% SLOW RELEASE SMART NITROGEN TECHNOLOGY

- **Grow Large Plants With Strong Stems & Branches to Support Heavy Harvests**
- **Healthy, Green & Lush with Slow Release Methylene Nitrogen**

GUARANTEED ANALYSIS:

Total Nitrogen (N) 22%

3.3% Urea Nitrogen

18.7% Slowly Available Water Soluble Nitrogen*

Soluble Potash (K₂O) 16%**Derived From:** Low Biuret Urea, Methylene Urea, Potassium Carbonate

*18.7% Slowly Available Nitrogen from Methylene Urea.

TECHNICAL SPECIFICATIONS:

Weight per gallon: 12.1 lbs.

Weight per liter 1.45 kg

pH 10.5

1 gallon contains 2.6 lbs. nitrogen and 1.9 lbs potassium

1 liter contains 0.32 kg nitrogen and 0.23 kg potassium

- **Technical Grade, High Quality Ingredients**
- **Provides Consistent Even Feeding**
- **Non-Burning – Low Salt Index**

flush growth that can often lead to disease problems.

22-0-16's potassium source, potassium carbonate, is 100% soluble and immediately taken up by roots and foliage for fast response. 22-0-16 Grow has a very low salt index and therefore is safe to use from the very beginning of the growth cycle until maturity. It does not contain any nitrates, chlorides or sulfates and in combination with the nitrogen's extremely low salt index, will not contribute to a buildup of salts in the soil, soilless media or hydroponics system.

**PRODUCT DESCRIPTION:**

NovaGreen 22-0-16 Grow is a crystal clear, liquid nitrogen and potassium solution that can be used during vegetative growth cycle to establish optimal growth, size and vigor, for support of essential macro-elements that must be replaced regularly especially during vigorous vegetative growth phase.

22-0-16 Grow contains a unique slow release nitrogen source, methylene urea that is formulated by a proprietary manufacturing process. Methylene nitrogen feeds cannabis slowly and consistently over several weeks, called the "Smart Nitrogen" choice for green, thriving and healthy plant growth. With 82% Smart Methylene Nitrogen, this product adheres to soil particles and will not leach or volatilize. Important for use in soilless media and outdoors where watering, or heavy rain can leach away nutrients recently applied. Smart nitrogen releases as the plant needs it ensuring consistent feeding and growth without

**APPLICATION & MIXING:**

22-0-16 Grow can be applied to all cannabis strains grown outdoors and indoors. For use on all types of growing media such as soil, soilless mixes, coco, peat moss, and many others. Both nitrogen and potassium are mobile in the plant's tissue so both soil and foliar applications are suitable.

It is a true solution and needs no extra mixing. Prior to mixing with other nutrients or technical materials, first dilute with water. Do NOT mix concentrates together or with highly acid materials. Always fill tank 3/4 full with water before adding concentrates. Neutralize materials to a pH of 7 or above before adding to mix. For optimal results, the pH of your tank mix solution should be in the range of

Cannabis Application Recommendations

Application	Rate	Frequency / Notes
All Strains of Cannabis Grown in Soil or Soilless Mixes, Indoors and Outdoors	Mix 2.5 - 5 ml per gallon water.	Begin applications first week of growth phase as soon as young plants are potted. Continue weekly applications throughout growth phase.
	Foliar Spray: Mix 10 - 30 ml per gallon water.	

22-0-16 Grow	Growth Phase
Number of Weeks	1-4
Hours of Light	18
Soil & Soilless Mixes	2.5 - 5 ml
Foliar Applications	10 - 30 ml

Apply weekly, amounts listed are to be added per 1 US Gallon (3.79 liters)

5.8-605. It's ideal for use in any spray equipment, and fertigation, irrigation, or drip systems.

FOLIAR APPLICATIONS:

Foliar feeding has many advantages, especially when applying high-grade clean-nutrient NovaGreen™ products. Fertilizers applied via foliar feeding are usually 3 to 5 times more effective than standard root fertilizers. Use NovaGreen as part of a regular regimen foliar feed that delivers nutrients via the plants stomata—microscopic openings situated in the middle of two guard cells. NovaGreen's micronutrients, when applied with foliar sprays, also make elements like iron, otherwise not available in the soil, water, or a hydroponic solution, more accessible to your plants. Foliar spraying is the fastest "route" to correcting nutrient deficiencies because of the immediate absorption that occurs through the leaves.

Cultivators can continue using NovaGreen products through the flowering stage. Here are the guidelines to follow for a healthy foliar feeding program for your cannabis plants, ultimately producing larger, better, bud-filled harvests with significantly less bud rot.

- Continue foliar feeding until 2 weeks before harvesting
- Make sure the pH for the foliar spray mix is a near neutral pH of 6.5
- If growing indoors, make sure the humidity level stays low through proper ventilation.
- Mix with adequate amount of water. For first application, test on one plant and wait 30 min before applying to entire crop.

STORAGE & HANDLING:

22-0-16 Grow should be stored in normal warehouse conditions. Do not store below 32° F. In freezing temperatures, 22-0-16 may become very viscous or develop a precipitate, which should disappear when returned to a warm temperature. 22-0-16 is alkaline with a pH of 10.5. Always store in original container and keep tightly sealed. Do not store above 100° F for long periods of time. Refer to SDS for additional information on storage, handling,

FIRST AID	
IF SWALLOWED:	Call a poison center or doctor if you feel unwell: Rinse mouth.
IF IN EYES:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor.
IF ON SKIN:	Remove contaminated clothing and wash skin with plenty of soap and water. If skin irritation occurs, get medical advice/attention.
IF INHALED:	Call a poison center or doctor if you feel unwell.
You may also contact 1-800-992-5994 day or night for emergency treatment information. If medical advice is needed, have product container or label at hand (P101), Keep out of reach of children (P102), Read label before use (P103).	
STORAGE: Keep container tightly closed. May be stored in unheated area, but keep from freezing. Store in areas inaccessible to children and pets.	
DISPOSAL: Dispose of contents/container in accordance with local/regional/national/international regulations. Do not reuse container.	

safety, disposal and shipping.

The following precautionary statements and pictograms are based on The Globally Harmonized System of Classifications and Labeling of Chemicals (GHS) and are mandated by the Occupational Safety and Health Administration (OSHA)



WARNING

H302 Harmful if Swallowed
H315 Causes Skin Irritation
H319 Causes Serious Eye Irritation
H335 May Cause Respiratory Irritation

Condition of Sale and Warranty: Growth Products, Ltd. warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label only when used in accordance with label directions under normal conditions of use. Handling, storage and use of the product by Buyer or User are beyond the control of Growth Products, Ltd. and Seller. Risks such as crop injury or other unintended consequences resulting from, but not limited to, weather or soil conditions, presence of other materials, disease, pests, drift to other crops or property, or failure to follow label directions will be assumed by Buyer or User. IN NO CASE WILL GROWTH PRODUCTS, LTD. OR SELLER BE HELD LIABLE FOR CONSEQUENTIAL, SPECIAL, OR INDIRECT DAMAGES RESULTING FROM THE HANDLING, STORAGE OR USE OF THIS PRODUCT.

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