NOVUS® 28-0-0

A SLOW-RELEASE NITROGEN FERTILIZER SOLUTION FOR FEEDING AGRICULTURAL CROPS

PEEL BACK BOOK HERE

SPECIALTY NUTRIENTS

GUARANTEED ANALYSIS

Total Nitrogen (N) 28.00%
7.8% Urea Nitrogen
20.2% Other Water Soluble Nitrogen*

DERIVED FROM: Urea-Triazone Solution
*20.2% Slowly available Nitrogen from urea triazone solution.

F3013

KEEP OUT OF REACH OF CHILDREN

WARNING

PRECAUTIONARY STATEMENTS
If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.

HAZARD STATEMENTS
May be harmful if swallowed
May be harmful in contact with skin.
Causes mild skin irritation.
May be harmful if inhaled
Causes eye irritation.

Prevention:
Wash hands, face and other affected areas thoroughly after handling.

Response:
Call a POISON CENTER or doctor/physician if you feel unwell.
If INHALED: Call a POISON CENTER/doctor if you feel unwell.
If skin irritation occurs: Get medical advice/attention
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention

ADDITIONAL FIRST AID: In case of contact with eyes, immediately flush eyes with water for at least 15 minutes. Seek immediate medical attention if irritation occurs. In case of skin contact, flush skin with water. If irritation occurs, seek immediate medical attention. Remove and wash contaminated clothing before reuse. If swallowed, give large amounts of water and induce vomiting by touching back of throat with finger unless unconscious. Seek immediate medical attention.
HANDLING AND STORAGE: Minimize skin exposure. Store mini-bulks and smaller containers out of the sun in a area of moderate temperature, less than 105 °F. Do not reuse containers. Avoid containers, piping or fittings made of copper or zinc-containing alloys or galvanized metal. ***NOVUS*** may be stored in plastic, fiberglass or stainless steel vessels. Dispose of containers in accordance with local regulations and requirements.
IN CASE OF SPILL: Contain spill and maximize recovery. Keep spill out of water sources. Exercise caution in area of spill for slippery conditions. Dispose of spilled material in accordance with regulatory requirements.

Information regarding the contents and levels of metals in this product is available on the internet at: http://www.aapfco.org/metals.html

PRODUCT INFORMATION

NOVUS NITROGEN FERTILIZER SOLUTION is a clear liquid containing the slow-release nitrogen compound TRIAZONE™. TRIAZONE™ nitrogen means increased crop safety, increased nitrogen absorption, translocation and remobilization when used on agricultural crops including vegetable, fruit, nut and field crops. ***NOVUS***, contains 3 pounds of nitrogen per gallon and is formulated so that 72% of the available nitrogen (20.2%) is in slow-release nitrogen form. This allows ***NOVUS*** to give the grower excellent crop safety and helps promote uniform growth. ***NOVUS***is well suited to the custom formulation of fertilizer blends and is compatible with many phosphorus, potassium and micronutrient sources as well as many crop protection chemicals. In the absence of published data, INNVICTIS CROP CARE, LLC recommends testing for compatibility in all spray combinations by a simple jar test with appropriate concentrations. Care should be taken not to blend ***NOVUS*** with highly acidic materials and materials containing a high level of free ammonia.

Application Precautions

NOVUS, may be applied as a foliar spray application on all field crops to enhance growth and quality and to correct nitrogen deficiencies. ***NOVUS***, may be soil applied as a band, sidedress or injected through the irrigation system, sprinkler, drip or center pivot. ***NOVUS*** may be applied as a concentrate or dilute solution by ground or aerial application. Apply with sufficient water to achieve adequate plant coverage, avoid application when temperatures are above 90 °F and relative humidity is below 30%. ***NOVUS's*** normal nitrogen release pattern is eight to ten weeks. In the spring, fall and during periods of cool temperatures, it is recommended that low-biuret urea be blended with ***NOVUS*** to enhance the release pattern.

MIXING PROCEDURES WHEN TANK MIXING NOVUS

- Add 1/2 of total water spray tank
- Start circulating material in tank
- Add recommended amount of ***NOVUS*** or ***NOVUS*** based N-P-K fertilizer blend.
- Add compatible micronutrients
- Add flowable materials
- Add emulsifiables
- Add any soluble powders and/or water soluble fertilizers. All should be pre-dispersed in water before adding to the spray tank solution.
- Complete filling of spray tank to desired volume and continue circulating prior to spray application
- Flush all spray and nurse tank equipment after usage.

If a lower amount of slow-release nitrogen is desired, the fertilizer blender has the option of mixing ***NOVUS*** and low-biuret urea (48-0-0) together. The following chart provides the correct mixing ratios based on 1 pound of actual Nitrogen. Sufficient water must be added to the following to dissolve the urea in the blend.

% SRN BLEND DESIRED	*NOVUS 28-0-0* FLUID OZ	LOW BIURET UREA (48-0-0) units of nitrogen
25% SRN	14.8	1.4
35% SRN	20.7	1.1
40% SRN	23.6	0.96

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NET CONTENTS: 2.5 Gal (9.46 L)
NET WEIGHT: 26.5 lb (12.2 kg)
DENSITY: 10.6 lb/gal @ 68 °F

INNVICTIS BIOSCIENCE™
PLANT HEALTH TECHNOLOGIES
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SUGGESTED APPLICATION RATES - For fertilizer application rates suitable for your geographical area or the maximum allowable non-nutrient application rates per acre, consult a trained soil specialist.

Vegetable FOLIAR:	Rate (qts/acre)	Time of Application
Asparagus	4-8	At mid-fern development and repeat at 14 to 21 day intervals.
Beans (Green & Lima)	2-8	At early flowering and repeat in 7 to 10 days.
Broccoli, Brussel Sprouts, Cabbage & Cauliflower	4-8	Prior to head formation repeat in 10 to 14 days.
Carrots	4-6	When plants are 3 to 6 inches tall. Repeat at three week intervals or as required.
Celery	4-6	When plants are 8 to 12 inches tall and repeat at 10 to 14 day intervals.
Corn (sweet)	2-8	When plants are 12 to 24 inches tall, then at tassel emergence and repeat after pollination.
Cucumbers, Melons, & Squash	4-8	Early flowering repeat at 10 to 14 day intervals.
Kale	4-8	When sufficient foliage is present.
Lentils	4-6	Early flowering and repeat at 10 to 14 day intervals.
Lettuce	4-6	After thinning, then at early head formation and repeat at 10 to 14 day intervals.
Okra	4-6	At bud stage and repeat at 10 to 14 day intervals.
Onions & Garlic	4-8	Mid-set development and repeat a 14 to 21 day intervals.
Peas	4-8	Early flowering and repeat in 10 to 14 days.
Peppers	4-8	Early fruit set and repeat at 10 to 14 day intervals.
Spinach	4-8	When sufficient foliage is present and repeat at 14 to 21 days.
Tomatoes (Process & Fresh)	4-8	At full bloom and repeat at 10 to 14 day intervals.
Other crops	4-6	When sufficient foliage is present or at early fruit set. Try on a small area until more experience and trials have been completed to determine if higher rates are desirable.

FERTIGATION
Sprinkler Irrigation - Beginning at the 3rd to 4th leaf stage, apply 2 to 5 gallons per acre per application every 10 to 14 days based on crop requirements. **Drip Irrigation** - Apply 2 to 5 gallons per acre per application 3 to 6 times during the growing season as needed.

Fruits & Nuts FOLIAR:	Rate (qts/acre)	Time of Application
Almond, Filberts,Pecans, Pistachios, Walnuts	4-10	At full leaf and repeat at early nut and expansion.
Apples	4-6	Begin at first full leaf and apply as needed during the growing season.
Blueberries	4-6	Early fruit set and repeat at early fruit color.
Caneberries	4-6	Prior to fruit set.
Cherries, Nectarines, Peaches, Pears, and Plums	4-6	Prior to fruit set.
Citrus	4-10	Early bloom and repeat after fruit set.
Winter Rate	4-10	Apply in mid-January and repeat as required.
Cranberries	4-6	Hook stage and repeat after fruit set.
Grapes		
Table	2-4	Prior to fruit set.
Raisin	2-4	When sufficient foliage is present. Repeat as needed.
Wine	2-4	When sufficient foliage is present. Repeat as needed.
Olives	4-6	Early fruit development and repeat as needed.
Strawberries	4-6	Early flowering and repeat every 14 days through harvest. Initiate fall application when new growth reaches 3 inches in height.
Other crops	4-6	When sufficient foliage is present or at early fruit set. Try on a small area until more experience and trials have been completed to determine if higher rates are desirable.

NOVUS may be applied in a concentrate spray (50 to 100 gallons of water) or dilute spray (200 to 400 gallons of water). Contact your local dealer on dilution rates less than 50 gallons per acre.
FERTIGATION
Sprinkler Irrigation - Apply 2 to 5 gallons per acre per application every 10 to 14 days based on crop requirements. Drip Irrigation - Apply 2 to 5 gallons per acre per application 3 to 6 times during the season when roots are actively growing as needed.

Field Crops FOLIAR:	Rate (qts/acre)	Time of Application
Alfalfa	4-8	Apply after each cutting when sufficient foliage is present.
Canola	4-8	Apply just prior to bolting.
Corn		
Field	2-8	When plants are 12 to 24 inches tall, then at tassel emergence and repeat after pollination.
Seed	2-8	Before detasseling and repeat after pollination.
Cotton	4-8	Early boll formation and repeat at 14 to 21 day intervals.
Flax	4-8	Early boll development.
Grain Sorghum	2-6	After pollination.
Grass Seed Production	4-10	Seed head elongation.
Hops	4-6	Before cone development.
Peanuts	4-6	Early bloom and repeat at 14 to 21 day intervals until pods are filled.
Potatoes	4-8	Tuber initiation and repeat at 10 to 14 day intervals until maximum tuber development has occurred.
Rice	4-10	Panicle initiation. Repeat as required.
Small Grains	4-8	Tillering through flag leaf emergence.
Soybeans	2-8	Early pod formation and repeat in 14 to 21 days.
Sugar Beets	4-8	10 to 12 leaf stage and repeat at 20 leaf stage.
Sunflowers	4-8	When outer seeds start to fill, repeat in 10 to 14 days.
Tobacco	6-10	Plant bed stage to near maturity as needed to maintain crop growth and quality.
Other Crops	4-6	When sufficient foliage is present or at early fruit set. Try on a small area until more experience and trials have been completed to determine if higher rates are desirable.

FERTIGATION
Center Pivot - Apply 3 to 5 gallons per acre per application as needed based on crop requirements.
Drip Irrigation - Apply 3 to 5 gallons per acre per application 3 to 6 times during the growing season as needed. **Sprinkler Irrigation** - Beginning at the 3rd to 4th leaf stage, apply 3 to 5 gallons per acre per application every 10 to 14 days based on crop requirement.

CHRISTMAS TREES AND NURSERY STOCK FOLIAR:	
Rate (qts/acre)	**Time of Application**
4-6	As needed or at 14 to 21 day intervals.

FERTIGATION
Sprinkler Irrigation - Apply 2 to 4 gallons per acre per application every 10 to 14 days based on crop requirements. **Drip Irrigation** - Apply 2 to 4 gallons per acre per application 3 to 6 times during the growing season as needed.
Lawn Care Program
Cool Season Grasses: Rates may vary from .5 to 1 pound of nitrogen per 1000 square feet in 4 to 5 applications at 8 to 10 week intervals for a total application rate not to exceed 3.5 to 4.0 pounds of nitrogen per year. In cool temperatures it is suggested that a portion of the nitrogen come from urea.
Warm Season Grasses:
Rates may vary from .75 to 1.0 pounds of nitrogen per 1000 square feet in 5 to 6 applications at 8 to 10 week intervals for a total application rate not to exceed 6 to 8 pounds of nitrogen per year. Rates of nitrogen and frequency of application may vary due to cultivar and accepted turf practices.
FERTIGATION
NOVUS may be injected during each irrigation at rates if 11 to 21 fluid ounces (.25 to .50 pound of N) per thousand square feet. Rates may vary in accordance with the irrigation schedule

WARRANTY AND LIMITATION OF DAMAGES

INNVICTIS BioScience Plant Health Technologies warrants only that this product conforms to the product description on the label and is reasonably fit for the purposes stated in the Directions For Use. The Directions for Use of this product are believed to be adequate and must be followed carefully. It is, however, impossible to eliminate all risks associated with this product. Crop injury, ineffectiveness, or other unintended consequences may result due to such factors as weather conditions, presence or absence of other materials, or the manner or use or application, all of which are beyond the control of INNVICTIS BioScience Plant Health Technologies. All such risks must be assumed by the buyer or user. Except as warranted on this label, INNVICTIS BioScience Plant Health Technologies makes no representation, warranty or guarantee, whether expressed or implied including, but not limited to, warranty of merchantability, fitness for a particular purpose, or otherwise. No agent or representative of INNVICTIS BioScience Plant Health Technologies or the seller of the product is authorized to amend the terms of this Warranty disclaimer or the product's label or to make a representation or recommendation different or inconsistent with the label of this product. To the extent consistent with applicable law, INNVICTIS BioScience Plant Health Technologies' maximum liability for breach of its warranty or for use of this product, regardless of the form of action, shall not exceed the purchase price of this product. To the extent permitted by applicable law, INNVICTIS BioScience Plant Health Technologies shall not be liable for consequential, special or indirect damages resulting from the use, handling, application, storage, or disposal of this product or for damages in the nature of penalties, and the buyer and the user waive any right that they may have to such damages. If the warranty and liability limitations or disclaimer are not acceptable, return the unopened container to the place of purchase for full refund. To the extent not inconsistent with applicable law or the label, the purchase, delivery, acceptance and use of this product by the buyer is subject to the terms and conditions of seller's sales invoice for this product. DC 51147961.2