

Gradual-N[®] 28-0-0

Slow Release Nitrogen

Guaranteed Analysis

Total Nitrogen (N)28.0%
7.8% Urea Nitrogen
20.2% Other Water Soluble Nitrogen*

Derived from: Urea-triazone solution

**20.2% Slowly available nitrogen from urea-triazone solution*

Gradual-N 28-0-0 contains 3 lbs of nitrogen per gallon

KEEP OUT OF REACH OF CHILDREN



WARNING

Causes serious eye irritation. Causes skin irritation.

PRECAUTIONARY STATEMENTS

Wash hands, face and any exposed skin thoroughly after handling. Wear protective gloves, eye and face protection.

FIRST AID

IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash before reuse.

In Case of Medical Emergency, call toll free 1-877-424-7452

STORAGE AND DISPOSAL

Storage: Store product at temperatures above 35°F. Store in original container only. Keep containers tightly closed and do not allow water to be introduced into the contents of the container. This product is not compatible with copper, zinc or their alloys including brass, bronze or galvanized materials. These materials should not be utilized in handling systems or storage containers for this product.

Disposal: Do not reuse product containers. Triple rinse (or equivalent), then offer for recycling at an ACRC site (go to <http://www.acrecycle.org/> for locations) or by reconditioning, or puncture and dispose of in a sanitary landfill or by other procedures approved by local, state, and federal regulations.

For Chemical Emergency Involving a Spill, Leak, Fire, Exposure, or Accident, Call: CHEMTREC 1-800-424-9300

PRODUCT INFORMATION

Gradual-N 28-0-0 is a clear liquid nitrogen fertilizer solution containing a slow release form of nitrogen. Slow release nitrogen provides increased crop safety, increased nitrogen absorption, translocation and remobilization when used on agricultural crops including vegetable, fruit and field crops. Gradual-N 28-0-0 contains less urea than other slow release nitrogen fertilizer solution. Foliar fertilization with Gradual-N 28-0-0 is intended as a supplement to a regular fertilization program and will not, by itself, provide all the nutrients normally required by most crops.

DIRECTIONS FOR USE

Avoid application when temperatures are above 90°F and relative humidity is below 30%.

F1683

Distributed and Guaranteed By:
Winfield Solutions, LLC
P.O. Box 64589
St. Paul, MN 55164

Weight per gallon 10.7 lbs (4.85 kg) @ 68°F
Net Contents: 2.5 gallons (9.46 L)
Net Weight: 26.75 lbs (12.13 kg)
1/1122/9

WINFIELD™

MIXING INSTRUCTIONS

Care should be taken not to blend Gradual-N 28-0-0 with highly acidic materials and materials containing a high level of free ammonia. Determine compatibility before tank mixing with other fertilizers and/or pesticides by a jar test. Read and follow tank mixing directions on pesticide labels.

1. Add 1/2 total water to tank
2. Turn on recirculation line
3. Add prescribed amount of Gradual-N 28-0-0
4. Add any soluble powders
5. Add liquid flowable materials
6. Bring water to volume and recirculate before spraying

RECOMMENDED RATES

VEGETABLE	RATE (QTS/ACRE)	TIME OF APPLICATION
FOLIAR:		
Asparagus	4 to 8	At mid-fern development and repeat at 14 to 21 day intervals.
Beans (Green & Lima)	4 to 6	At early flowering and repeat in 7 to 10 days.
Broccoli, Brussel Sprouts, Cabbage & Cauliflower	4 to 8	Prior to head formation repeat in 10 to 14 days.
Carrots	4 to 6	When plants are 3 to 6 inches tall. Repeat at three week intervals or as required.
Celery	4 to 6	When plants are 8 to 12 inches tall and repeat at 10 to 14 day intervals.
Corn (sweet)	4 to 6	When plants are 12 to 24 inches tall, then at tassel emergence and repeat after pollination.
Cucumbers, Melons, & Squash	4 to 8	Early flowering repeat at 10 to 14 day intervals.
Kale	4 to 8	When sufficient foliage is present.
Lentils	4 to 6	Early flowering and repeat at 10 to 14 day intervals.
Lettuce	4 to 6	After thinning, then at early head formation and repeat at 10 to 14 day intervals.
Okra	4 to 6	At bud stage and repeat at 10 to 14 day intervals.
Onions & Garlic	4 to 8	Mid-set development and repeat a 14 to 21 day intervals.
Peas	4 to 8	Early flowering and repeat in 10 to 14 days.
Peppers	4 to 8	Early fruit set and repeat at 10 to 14 day intervals.
Spinach	4 to 8	When sufficient foliage is present and repeat at 14 to 21 days.
Tomatoes (Process & Fresh)	4 to 8	At full bloom and repeat at 10 to 14 day intervals.
Other Crops	4 to 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	RATE (QTS/ACRE)	TIME OF APPLICATION
FOLIAR:		
Almonds, Filberts, Pecans, Walnuts	4 to 10	At full leaf and repeat at early nut and expansion.
Apples	4 to 6	Begin at first full leaf and apply as needed during the growing season.
Blueberries	4 to 6	Early fruit set and repeat at early fruit color.
Caneberries	4 to 6	Prior to fruit set.
Cherries, Peaches, Pears and Plums	4 to 6	Prior to fruit set.
Citrus	4 to 10	Early bloom and repeat after fruit set.

Citrus (Winter Rate)	4 to 10	Apply in mid-January and repeat as required.
Cranberries	4 to 6	Hook stage and repeat after fruit set.
Grapes (Table)	2 to 4	Prior to fruit set.
Grapes (Raisin)	2 to 4	When sufficient foliage is present. Repeat as needed.
Grapes (Wine)	2 to 4	When sufficient foliage is present. Repeat as needed.
Olives	4 to 6	Early fruit development and repeat as needed.
Strawberries	4 to 6	Early flowering and repeat every 14 days through harvest. Initiate fall application when new growth reaches 3 inches in height.
Other Crops	4 to 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.

Gradual N 28-0-0 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	RATE (QTS/ACRE)	TIME OF APPLICATION
FOLIAR:		
Alfalfa	4 to 8	Apply after each cutting when sufficient foliage is present.
Canola	4 to 8	Apply just prior to bolting.
Corn (Field)	4 to 6	When plants are 12 to 24 inches tall, then at tassel emergence and repeat after pollination.
Corn (Seed)	4 to 6	Before detasseling and repeat after pollination.
Cotton	4 to 8	Early boll formation and repeat at 14 to 21 day intervals.
Flax	4 to 8	Early boll development.
Grain Sorghum	4 to 6	After pollination.
Grain Seed Production	4 to 10	Seed head elongation.
Hops	4 to 6	Before cone development.
Peanuts	4 to 6	Early bloom and repeat at 14 to 21 day intervals until pods are filled.
Potatoes	4 to 8	Tuber initiation and repeat at 10 to 14 day intervals until maximum tuber development has occurred.
Rice	4 to 10	Panicle initiation. Repeat as required.
Small Grains	4 to 8	Tillering through flag leaf emergence.
Soybeans	4 to 8	Early pod formation and repeat in 14 to 21 days.
Sugar Beets	4 to 8	10 to 12 leaf stage and repeat at 20 leaf stage.
Sunflowers	4 to 8	When outer seeds start to fill, repeat in 10 to 14 days.
Tobacco	6 to 10	Plant bed stage to near maturity as needed to maintain crop growth and quality.
Other Crops	4 to 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

	RATE (QTS/ACRE)	TIME OF APPLICATION
FOLIAR:		
	4 to 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.

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

WARRANTY DISCLAIMER

Winfield Solutions, LLC warrants only that the chemical composition of this product conforms to the ingredient statement given on the label, and that the product is reasonably suited for the labeled use when applied according to the Directions for Use. SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, NOR IS ANY REPRESENTATIVE OF SELLER AUTHORIZED TO MAKE ANY SUCH WARRANTY OR MODIFY THESE TERMS. This warranty does not extend to the storage, handling or use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to Seller, and Buyer assumes the risk of any such storage, handling or use. Seller shall not be responsible for incidental or consequential damages, if any, resulting from a breach of warranty.

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