

KEEP OUT OF REACH OF CHILDREN

WARNING

READ ENTIRE LABEL BEFORE USING

GHS CLASSIFICATIONS

Health: Acute Toxicity (Oral), Category 5
Skin Irritation, Category 3
Eye Irritation, Category 2A

**HAZARD STATEMENTS**

May be harmful if swallowed.
Causes mild skin irritation.
Causes serious eye irritation.

PRECAUTIONARY STATEMENTS

If medical advice is needed, have product container or label at hand.

Prevention: Wash hands, face and other affected areas thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

Response: Call a POISON CENTER or doctor/physician 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.

Read all precautions of products being handled and follow the most restrictive language for all products to provide the safest work environment.

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.

If swallowed: Have person drink large volumes of water (2 to 4 glasses of water). Call a poison control center or physician immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control center or physician. Do not give anything by mouth to an unconscious person.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or physician for treatment advice if irritation develops.

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or physician for further treatment advice. Have the product container or label with you when calling a poison control center or physician, or going for treatment.

STORAGE AND DISPOSAL

Storage: Store product at temperatures above 45°F. Store in original container only. Keep containers tightly closed and do not allow water to be introduced into the contents of the container. Use within nine (9) months from date of purchase. (Bold last statement)

Disposal: Do not reuse product containers. Triple rinse (or equivalent), then offer for recycling at an ACRS site (go to <http://www.acrcycle.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.

NOTICE OF WARRANTY

Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of 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.

Manufactured By: 1/0919/7
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P.O. Box 64589
St. Paul, MN 55164-0589

SRN28™

Slow Release Nitrogen

28-0-0**GUARANTEED ANALYSIS**

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

Derived from: Methylene Urea, Urea. Net weight 10.72 lb/gal @ 68°F.
1 gallon of SRN28 contains 3 lbs. of nitrogen; 1 ton (907kg) of SRN28 equals 186.6 gallons and contains 560 lbs. of nitrogen.

GENERAL INFORMATION

SRN28™ 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. SRN28™ contains less urea than any other slow release nitrogen fertilizer solution. Foliar fertilization with SRN28™ 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

Read and follow tank mixing directions on pesticide labels.

MIXING INSTRUCTIONS

1. Add 1/2 total water to tank
2. Turn on recirculation line
3. Add prescribed amount of SRN28™
4. Add any soluble powders
5. Add liquid flowable materials
6. Bring water to volume and recirculate before spraying

RECOMMENDED RATES**AGRICULTURE RATES:**

- Alfalfa:** 1-3 gal/acre after each cutting when sufficient foliage is present.
- Apples:** 1-1.5 gal/acre in bud swell to king bloom and 1-1.5 gal. 30 days later. 1-1.5 gal/acre 30-40 days prior to harvest for sizing. Post harvest: Apply 3-5 gal/acre in 1 or 2 applications.
- Snap Beans:** 3 gal/acre at early bloom (with fungicide). Can be applied in split applications.
- Dry Beans:** 2-3 gal/acre at early bloom and repeat after pods are formed.
- Green Beans & Peas:** 1-3 gal/acre shortly after first flowers appear and repeat 10-14 days later.
- Lima Beans:** 2-3 gal/acre at early bloom and repeat after pod fill begins.
- Cabbage (Bok Choy & Nappa), Cauliflower, Broccoli:** 2-3 gal/acre at early head formation and repeat 7-10 days later.
- Canola:** 1-2 gal/acre just prior to bolting.
- Celery:** 1-2 gal/acre 10 days after transplanting. Repeat at 2 gal/acre in 3 intervals until 3 weeks prior to harvest, using 7-8 gal. total over crop.
- Citrus:** 1-5 gal/acre at pre-bloom or bloom to increase fruit set and repeat in 30 days. Subsequent applications when nitrogen needs are evident.
- Corn:** 1-5 gal/acre from 3 - 5 leaf stage (V5 - V8) and again at 8 - 12 leaf stage (V8-VT).
- Corn (Seed):** 1-3 gal/a before detasseling and repeat after pollination.
- Corn (Sweet):** 2-3 gal/acre at a 12-14 inch height (V5-V8), at early tassel stage, and again at early silk stage.
- Corn with Fungicides or Insecticides:** Apply 1-2 gal/a at V5 and/or VT stage (tasseling). Apply 1-2 gal/acre after silk emergence and pollination at R2 (blister) through R4 stage (dough) of growth.
- Cotton:** Early Season: 1-2 qt/acre in an over the row application after plants reach 4 leaf stage. Mid-Season: 2-5 gal/acre at early bloom and repeat as necessary.
- Cucumbers, Squash, Pumpkins, Watermelons, Cantaloupes:** 1-3 gal/acre at early bloom and repeat approximately 4 weeks after bloom application.
- Garlic:** Spray 1-2 gal/acre directed over row from 10-12 inches high. Make 3-4 applications.
- Grain Sorghum:** Apply 4 - 6 qt/acre after pollination.
- Grapes* (Table):** 1-2 gal/acre when nitrogen needs are evident or an increase in canopy is required to reduce sunburn.
- Grapes* (Seed Production):** 1-1.5 gal/acre at pre-bloom. 2-3 gal/acre at seed head elongation. Can be applied to Pencross Stolens at 1-2 gal/acre.
- Lettuce*:** 2-3 gal/acre after thinning. Repeat 14 days later and again 14 days prior to harvest.
- Mint (Peppermint, Spearmint): For Row Or Establish Mint:**
2-3 gal/acre - end of March, early April
3-5 gal/acre - post flame late April, early May. May be combined with fungicide.
2-3 gal/acre - mid June. Combine with pesticide

3-5 gal/acre - mid July. Combine with pesticide
2-3 gal/acre - Post Harvest. Can be combined with other nutrients. Can be combined with crop protection chemicals when properly buffered. SRN28™ pH is 8.5-10. Apply in sufficient water, minimum of 20 gal/acre to provide good coverage to foliage.

Onions: 2 gal/acre when onions reach 6-8 inches repeat during bulb fill, and again in two weeks prior to harvest.

Peaches, Plums, Prunes, Nectarines, Apricots: 1-1.5 gal/acre at bud swell to early bloom when increase fruit set is desired and repeat in 30 days to maintain increased set. Apply 2-4 gal/acre 4-6 weeks prior to harvest for improved fruit sizing, firmness and reduction in green shoulders. Rate dependent upon tree size and conditions. Post Harvest: apply 5-10 gal/acre in 1 or 2 applications.

Peanuts: 3-5 gal/acre at early bloom and repeat as necessary until pods are filled.

Pears (Bartlett): 1-1.5 gal/acre at pre-bloom and repeat every 30 days until 4 weeks prior to harvest. As some varieties (i.e., D Anjou) are more sensitive under certain conditions, extreme caution should be exercised. Post Harvest: Apply 5-10 gal/a in 1 or 2 applications.

Peppers*: 2-3 gal/acre at early bloom and repeat 14 days later to improve fruit set and canopy and reduce sunburn.

Potatoes: 1-3 gal/acre prior to tuberization and at early bloom at 2 gal/acre. A third application of 2 gal/acre 2-3 weeks following bloom spray may be needed through fertigation system. Can be applied in pesticides. Buffering of combinations may be necessary as SRN28™ is pH stable at 8.5-10.

Rice: 5 gal/acre at flag leaf emergence and repeat when nitrogen needs are evident.

Seed Crops: 1.5-2 gal/acre at early bloom. 3-4 weeks later apply 2 gal/a. 30-60 days prior to harvest apply 2 gal/acre to fill out seed.

Small Grains: 1-3 gal/acre foliarly from spring greenup to early joint (Feekes 8) as a partial replacement of soil-applied Nitrogen (N). Apply -3 gal/acre at or near flag leaf stage as a Nitrogen (N) supplement.

Soybeans: 1-3 gal/a at V6 - R4 stage as a Nitrogen (N) supplement.

Spinach: 2-3 gal/acre when adequate foliage. Apply again 7-10 days prior to harvest if double cropping.

Strawberries: 1-3 gal/a when early bloom and repeat in 14-21 days.

Sugar Beets: 2-3 gal/acre at 10 - 12 leaf stage and repeat at 20 leaf stage.

Sunflower: 4-6 qt/acre when outer seeds start to fill and repeat in 10-14 days.

Tomatoes*: 2-3 gal/acre at early bloom. Repeat at fruit set and again 15-30 days later. Apply 3-4 gal/acre 3-4 weeks prior to harvest to strengthen canopy and to reduce sunburn.

FERTIGATION:

Sprinkler Irrigation: General - 2-5 gals./acre per application every 10 to 14 days based on crop requirements

Drip Irrigation: General - 2-5 gals./acre per application 3 - 6 times during the season when roots are actively growing as needed.

Strawberries: 3-4 gal/acre twice a month for five to six months.

Tomatoes/Peppers: 3-5 gal/acre twice a month for 3 - 4 months.

Grapes: 3-5 gal/acre twice a month for 3 - 4 months.

Lettuce: 3-5 gal/acre at first irrigation and repeat as needed.

Trees & Vines: 5 gal/acre at least every 30 days in sandy soils. Apply in combination with other drip materials at 25% and 50% ratios to improve fertilizer efficiency.

Tree & Shrub*: 1-3 lbs of nitrogen/1000 sq ft of landscape area root (soil) injected or flood-applied in minimum of 1-2 applications per year.

Foliar Application: Mix 0.5-1 gal/100 gal of water & spray to run off. Repeat as necessary to maintain optimal plant growth & vigor.

Soil Injection Mixing Rates: To apply 1 lb of nitrogen/1000 sq ft using 10 gal total volume/1000 sq ft infect into the soil 4" - 8" deep.

Young Trees*: For growth response use 5 gal/100 gal of water and spray wet.

TURF RATES:

Precautions: Do not exceed 2 lbs N/1000 sq ft/application. Apply in water carrier at no less than 2 - 5 gal/1000 sq ft.

Bent Grass: 4.5 - 6.5 lbs of nitrogen/1000 sq ft/year applied in multiple applications of 1/8 - 1/4 lb of nitrogen. Use higher rates in areas with prolonged growing season, areas of high use or grow in situations.

Bermuda Grass: 9 - 11.5 lbs of nitrogen/1,000 sq ft/year in multiple applications of 0.25 - 0.5 lb nitrogen. Use higher rates in areas with prolonged growing season, areas of high use or grow in situations.

Blue Grass & Other Cool Season Grasses: 3.75-4.25 lbs of nitrogen/1000 sq ft/yr in multiple applications. Use higher rates in areas with prolonged growing season, areas of high use or grow in situations.

St. Augustine & Other Warm Season Grasses: 2.5-3.5 lbs of nitrogen/1000 sq ft/yr in multiple applications. Use higher rates in areas with prolonged growing season, areas of high use or grow in situations.

APPLICATION CHART (128 oz = 3.0 lbs N)

OUNCES OF SRN28™	LBS/TOTAL N
11 oz.	1/4 lb. N
16 oz.	1/3 lb. N
22 oz.	1/2 lb. N
28 oz.	2/3 lb. N
33 oz.	3/4 lb. N
44 oz.	1 lb. N

Net Volume: See Invoice / Bill of Lading