

# **GRANULAR NITROGEN FERTILIZERS**

## General Information

### GENERAL INFORMATION

N-N QDO for GRANULAR NITROGEN FERTILIZERS works best when evenly sprayed onto granular nitrogen fertilizer that is to be applied to the soil. When undisturbed, N-N QDO prevents or reduces volatilization and nitrification of granular nitrogen fertilizers.

### APPLICATION RATES

N-N QDO treated nitrogen fertilizer should be applied to the soil in the same manner as nitrogen fertilizers without N-N QDO. NOTE: When using N-N QDO, if different farming methods from those normally used are tried, test strips are recommended until such new methods have been proved to be effective.

### SOIL TYPES AND CROPS

N-N QDO is designed to reduce and insure against the possibility of nitrogen losses from volatilization and nitrification. N-N QDO may be used with any crop and in any soil type where best management practices recommend the use of nitrogen fertilizers.

### MIXING INSTRUCTIONS

N-N QDO should be evenly sprayed, not poured onto granular nitrogen fertilizers. In cold conditions, check viscosity of N-N QDO prior to spraying. Standard spraying equipment works well for evenly spraying granular nitrogen fertilizers. DO NOT APPLY N-N QDO to granular nitrogen fertilizers that are wet prior to treatment. If after treating with N-N QDO, the granular nitrogen fertilizer is wet, allow drying before use. To prevent streaking a field, do not apply wet fertilizer.

N-N QDO for GRANULAR NITROGEN FERTILIZERS can be used with multiple types of granular

nitrogen fertilizers. However, the quality and composition of nitrogen fertilizers varies greatly. Before

evenly spraying N-N QDO for GRANULAR NITROGEN FERTILIZERS on other nitrogen fertilizers, those fertilizers should be "batch tested" to determine capability with N-N QDO. If wetness occurs, pre-treat to allow time for drying. Do not blend urea or other granular nitrogen fertilizers that are wet. Do not attempt to spread wet

fertilizer, as streaking may occur.

Ammonium sulfate is often blended with granular nitrogen fertilizers treated with N-N QDO. Before blending ammonium sulfate with treated granular nitrogen fertilizers, do a "batch test" using the same ratio of ammonium sulfate to evenly spray a field. If wetness occurs, reduce the amount of Ammonium Sulfate until wetness is no longer an issue. For optimum results, pre-treat all nitrogen products and allow drying before mixing. This product may be used with ammonium sulfate. "316" stainless steel pumps and attachments are recommended. When seals are used, seals made of "Gore-Tex", "Teflon", or "Viton" are required.

#### ANTI-CAKING PROPERTIES

N-N QDO for GRANULAR NITROGEN FERTILIZERS has shown to inhibit caking of the fertilizer that sometimes occurs with granular nitrogen while stored in bins.

#### USE PRECAUTIONS

KEEP OUT OF THE REACH OF CHILDREN DO NOT INHALE OR SWALLOW

Do not use liquid nitrogen fertilizers or spray on seed. N-N QDO for GRANULAR NITROGEN FERTILIZERS and N-N for GRANULAR NITROGEN FERTILIZERS are not compatible and should not be mixed together. Read entire SDS and label before use, including all "Use Precautions" and "Warranty/Limitation of Remedies" made below. Always wear proper personal protection and follow instructions for treatment and application. Use according to label directions.

N-N QDO for GRANULAR NITROGEN FERTILIZERS contains methanol.

1. DO NOT CONSUME. Methanol is poisonous to humans and animals.
2. FLAMMABLE. Use in well-ventilated areas. DO NOT USE NEAR OPEN FLAME, spark of any ignition source. Absolutely "NO SMOKING" when treating fertilizer.
3. PROTECT EYES AND LUNGS. If contact with eyes occurs, flush thoroughly with clean water and seek medical attention immediately. Do not breathe vapors. If dizziness occurs or there is throat or chest irritation, go to a well-ventilated location. Seek medical attention immediately.
4. Protective Gear: Always wear protective gear. Wear long-sleeved shirt, long pants, safety goggles, mask, and natural or butyl rubber gloves.
5. Poison Control: If swallowed, seek medical emergency services, 911 and/or call the National Poison Control Center's Number 1-800-222-1222 for assistance.
6. Ventilation of Fertilizer Treatment Area and Equipment: Always treat in well-ventilated area. Keep a well-maintained fire extinguisher available.
7. Equipment Clean Out or Repair. At all times while fumes may be present, do not

enter or lean into blending drum or other equipment until area is well-ventilated and fumes have dissipated.

8. Spraying Equipment. Use only well-maintained and non-sparking equipment. Flammability and toxicity concerns exist only during the shipment and storage of N-N QDO and while being evenly sprayed onto fertilizer. Once the fertilizer has been treated with N-N QDO and the spraying dries, NO ISSUES of flammability or toxicity exist from N-N QDO in a bin or on a field.

Observe all precautions on label. Observe all warnings on label. Read the Safety Data Sheet prior to use.

Limitations, Restrictions, and Exceptions

#### TREATMENT RATES

N-N QDO for GRANULAR NITROGEN FERTILIZERS is recommended to be evenly sprayed at a rate of 0.25% or 1/2 gallon of N-N QDO per ton of granular nitrogen fertilizers and other nitrogen fertilizers (2.1 liters per metric ton).

Method

[Spray](#)

Rates

[field rates 0](#)

[field rates 1](#)

[field rates 2](#)

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Timings

[N.A.](#)