Nitrification Inhibitor, Fertilizer Additive
CENTURO™ is a nitrification inhibitor. It is used to delay nitrification of ammoniacal and urea nitrogen fertilizer by inhibiting the oxidation of ammoniacal nitrogen to nitrate nitrogen.

CENTURO™ can be used for canola, corn, cotton, rice, small grains, sorghum, and wheat where a nitrification inhibitor is needed and the fertilizer nitrogen is placed on or below the soil surface.

Active Ingredients:
Pronitridine (CAS RN 1373256-33-7) 14%
Other ingredients: 86%
Total: 100%
Contains 1.495 pounds of active ingredient per gallon

KEEP OUT OF REACH OF CHILDREN
CAUTION
AVISO
Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand the label find someone to explain it to you in detail.)

Precautionary Statements
Hazards to Humans and Domestic Animals:
Harmful if swallowed. Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

Remove and wash contaminated clothing before reuse.

Produced For:
Koch Agronomic Services, LLC
4111 E. 37th St. N.
Wichita, KS 67220
(866) 863-5550
kochmsds@kochind.com

NET CONTENTS: 250 gallons
BATCH NUMBER: See container

EPA Reg. No. 84886-4
EPA Est. No.
Discontinue use of product at the time of injection if crop condition changes, such as a moisture change or adverse weather conditions. This product is not to be used on a field or in storage tanks when a heat source is present. The storage tank must be completely cool before adding this product. CENTURO™ must be stored at temperatures above 32°F [0°C] to maintain its performance characteristics. Do not store product in the same storage tank or equipment with other ammoniacal N fertilizer products.

**Agricultural Use Requirements**

- Use the product only as directed on the label and with the Worker Protection Standard, 40 CFR Part 190. This standard contains requirements for the protection of agricultural workers on farms, nurseries, greenhouse growers, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It takes specific provisions and expands existing training requirements about personal protective equipment (PPE) and the Worker Protection Standard interval. The requirements in this box only apply to uses of this product that were not covered by the Worker Protection Standard.
- Do not allow workers to enter treated areas during the restricted entry interval (REI) of 24 hours. If the product is soil-applied or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

**Tank Mixing**

- Check the physical compatibility of tank mixtures as indicated below. It is the pesticide user’s responsibility to ensure that all tank-mixed pesticide products are registered for the intended use. Users must follow the most restrictive directions for use and preapplication statements of each product in the tank mixture. Once the CENTURO™ is mixed into the fertilizer, continuous agitation should not be necessary. Depending on the crop, potentially incompatibility or compatibility of other products, these mixtures may require constant agitation during both mixing and application to ensure uniformity of the spray mixture. Read and carefully follow all applicable directions including dosage rates, restrictions, and precautions for the specified crops on labeling for the other products used in combination with CENTURO™.
- When making a tank mix, any product with a pH less than 3 should be added to the mixture first. The mixture should be adjusted to a pH greater than 3, with a base before the CENTURO™ is added.
- Tank Mixing Compatibility Test: To test the compatibility of CENTURO™ with crop protection chemicals or biologicals, add proportionate amounts of each ingredient to a small jar, then cap, shake, and let stand for one day. Formation of precipitates of layers that do not readily re-disperse indicates an incompatible mixture and should not be used.

**Physical or Chemical Hazards**

- Do not use with or store near oxidizing or reducing agents.

**User Safety Recommendations**

- Applications, mixers, and/or loaders should wash hands before eating, chewing gum, using tobacco, or using the toilet. Remove clothing/PPE immediately if pesticide gets inside, wash thoroughly and put on clean clothes.

**Product Information**

- **CENTURO™**-nitrogen stabilizer is a water soluble liquid product that may be used with anhydrous ammonia, aqueous ammonia, urea ammonium nitrate, and other liquid ammoniacal or urea nitrogen fertilizers and liquid manure.
- **CENTURO™**-can be used for canola, corn, cotton, rice, small grains, sorghum, and wheat where a nitrification inhibitor is needed and fertilizer nitrogen is placed on or below the soil surface.
Use Restrictions:  
- May be applied as surface broadcast prior to crop emergence.  
- Apply as a band treatment on or below the seed surface after crop emergence.  
- Apply only pre-plant, at-plant, or very early season side dress.  
- Do not apply directly to plant foliage.  
- Do not apply more than 3 gallons of CENTURO™ per acre per year.  
- Milky only 1 pre-plant application per year.  

Application Substrate Application (Preplant, Preemergence, At-plant, or Very Early Season Side Dress)  
CENTURO™ may also be directed with ammonia or UAN per the table below.  

Fertilizer Solutions  
- Gallons CENTURO™ per ton Fertilizer  
- UAN 5  
- Anhydrous Ammonia 10  
- Aqua-Ammonia or Liquid Urea Solutions  

Application with Liquid Manures:  
CENTURO™ at 12 gallons per acre. Apply directly to liquid manure for coverage area.  

Handlers of Agricultural Pesticides:  
This product should only be used by those who have been trained to safely handle and apply fertilizer products. Wear appropriate personal protective equipment. Follow any additional precautions and restrictions required for the fertilizer product used.  

Use of the product is a way in which will protect others or their environment directly or through treatment. Do not apply the product in a way that will contact others or their environment either directly or through treatment. Only protected handlers may be in the area during application. For any requirements specific to your state or tribe, consult the agency responsible for pesticide regulation.  

Agricultural Use Requirements:  
Use the product only in accordance with its labeling and with the Worksite Protection Standard, 49 CFR Part 192. This standard contains requirements for the protection of agricultural workers on farms, nurseries, greenhouses and aquatic nurseries. It contains specific requirements regarding protective clothing and equipment pertaining to the statements on the label about personal protective equipment (PPE) and its product identity interval. The requirements in this box only apply to uses of this product that were not covered by the Worksite Protection Standard.  
Do not allow workers to enter treated areas during the restricted entry interval (REI) of 24 hours. The product is a soil-inject or soil-infiltrated, the Worksite Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.  

Physical or Chemical Hazards:  
Do not use with or store near any oxidizing or reducing agents.  

User Safety Recommendations:  
Applicants, mixers, and/or loaders should wash hands before eating, chewing gum, using tobacco, or using the pail. Remove clothing/PPE immediately if pesticide gets inside, wash thoroughly, and put on clean clothes.  

Physical and Chemical Properties:  
Do not use with or store near any oxidizing or reducing agents.  

Product Information:  
CENTURO™-nitrogen stabilizer is a water soluble liquid product that may be used with anhydrous ammonia, aqueous ammonia, aqueous ammonium nitrate, and other liquid ammoniacal or aqueous fertilizers and liquid manures.  
CENTURO™ can be used for canola, corn, cotton, rice, small grains, sorghum, and wheat where a nitrification inhibitor is needed and fertilizer nitrogen is placed on or below the soil surface.  

Directions for Use  
Please refer to Agricultural Use Requirements below.  
It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read All Directions for Use carefully before application.  
Do not apply this product in a way that will contact others or their environment either directly or through treatment. Only protected handlers may be in the area during application. For any requirements specific to your state or tribe, consult the agency responsible for pesticide regulation.  

Storage and Disposal:  
Do not contaminate water, food, or feed by storage or disposal.  
Storage:  
Store in a secured place out of reach of children and animals and away from other chemicals.  
Always store pesticides in the original container. If a leaky container must be contained within another, mark the outer container to identify its contents. Store containers must be locked and secured from vandalism, with precautionary signs posted.  
The storage area must be dry, well ventilated, and weathed. Keep pesticide storage clean. Clean up any spills promptly.  
Store herbicides, insecticides and fungicides in separate areas within the storage unit. Place liquid formulations on lower shelves and dry formulations above. Maintain a spill kit and fire extinguisher on hand and training emergency phones numbers posted will allow you to be prepared for emergencies. If spill Deep-PPE is stored nearby, but outside the pesticide storage area, it will be available.  

Pesticide Disposal:  
To avoid waste, use only in this container by application according to label instructions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry). Waste resulting from the use of this product must be disposed of in an approved waste disposal facility or on the treatment site.  

Container Handling:  
For plastic containers greater than 5 gallons: Nonreturnable container. Do not resue or refill the container unless the directions for use allow a different (nonreturnable) product to be diluted in this container. Triple rinse container promptly after emptying.  
For metal containers that are not returnable to the application equipment or a mix tank. Fill the container fully with water, being sure to spray container walls before filling. Empty the rinse into application equipment or a mix tank or store rinse for later use or disposal.  

Mixing Directions:  
CENTURO™ is compatible with most liquid nitrogen fertilizer products and watering or rinsing equipment is not necessary. However, it is recommended that compatibility testing be performed before equipment use is changed from one material to another. Avoid contact with strong oxidizing agents and acids.  

Anhydrous Ammonia:  
CENTURO™ is soluble in liquid ammonia. CENTURO™ may be pumped into the anhydrous ammonia tank to dilute the liquid fill valve before, during, or after loading. Pumping and metering systems are necessary to meter the liquid ammonia into the tank. The ammonia containing CENTURO™ is then applied to crop using conventional ammonia application equipment. CENTURO™ can also be applied through downstream co-injection systems that place the CENTURO™ in close proximity to the anhydrous ammonia.  

Liquid Fertilizers:  
CENTURO™ may be mixed with liquid fertilizers such as aqua ammonia, aqueous ammonium nitrate solution, or other liquid ammoniacal or aqueous nitrogen fertilizers. CENTURO™ can be added to liquid fertilizers in storage tanks, run tanks, or implement tanks with initial agitation to complete mixing.  

Tank Mixing:  
Check the physical compatibility of tank mixtures as indicated below. It is the pesticide user’s responsibility to ensure that all tank-mixed pesticide products are registered for the intended use. Users must follow the most restrictive directions for use and preventative statements of each product in the tank mixture. Once the CENTURO™ is mixed into the fertilizer, continuous agitation should not be necessary. However, depending on the complexity, some mixtures may require constant agitation during both mixing and use to ensure uniformity of the spray mixture. Read and carefully follow all applicable directions including dosage rates, restrictions, and precautions for the specific crop on labeling for the other products used in combination with CENTURO™.  
When making a tank mix, any product with a pH less than 5 should be added to the mixture first. The mixture should be adjusted to a pH greater than 5, with a base before the CENTURO™ is added.  

Tank Mixing Compatibility Test:  
To test the compatibility of CENTURO™ with crop protection chemicals or biologicals, add proportionate amounts of each ingredient to a small jar, then cap, shake, and let stand for one day. Formation of precipitates of layers that do not readily re-disperse indicates an incompatible mixture and should not be used.  

FIRST AID  
- Call a poison control center or doctor immediately for treatment advice.  
- Have person sip a glass of water if able to swallow.  
- Do not induce vomiting unless told to by a poison control center or doctor.  
- Do not give anything to an unconscious person.  

on skin or clothing:  
- Take off contaminated clothing.  
- Rinse skin immediately with plenty of water for 15-20 minutes.  
- Call a poison control center or doctor for treatment advice.  

in eyes:  
- Hold eye open and rinse slowly and gently with water for 15-20 minutes.  
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.  
- Call a poison control center or doctor for treatment advice.  

Environmental Hazards:  
Do not allow direct or indirect contact, or to areas where surface water is present or to intertidal areas below the high water mark. Do not contaminate water when disposing of equipment wash water or rinse.  
A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of nitrates and fertilizer from water and runoff. The use of CENTURO™ will be reduced by avoiding applications when rainfall or irrigation is expected to occur within 48 hours. Sound erosion control practices will reduce this product’s potential to reach aquatic sediment via runoff.  

Container Handling:  
This product is a water soluble liquid product that may be used with anhydrous ammonia, aqueous ammonia, aqueous ammonium nitrate, and other liquid ammoniacal or aqueous fertilizers and liquid manures.  
CENTURO™ can be used for canola, corn, cotton, rice, small grains, sorghum, and wheat where a nitrification inhibitor is needed and fertilizer nitrogen is placed on or below the soil surface.  

This product should only be used by those who have been trained to safely handle and apply fertilizer products. Wear appropriate personal protective equipment. Follow any additional precautions and restrictions required for the fertilizer product used.
Personal Protective Equipment: Mixers, loaders, applicators, and other handlers must wear: long-sleeved shirt and long pants; shoes and socks; and waterproof gloves. NOTE: This product is applied with fertilizer. Follow all additional precautions and restrictions, including protective equipment requirements, relevant to the fertilizer product being used.

Discharge clothing and other absorbent materials that have been drenched or heavily contaminated with this product. Follow the manufacturer’s instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

FIRST AID

Swallowed: Call a poison control center or doctor immediately for treatment advice. • Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. • Do not give anything to an automobile person.

In skin or clothing: Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

In eyes: Hold the eyelids open and flush eyes with plenty of water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.

General Information: Have the product label with you when calling a poison control center or doctor for going for treatment. For emergency information, call the Poison Control Center at 1-800-222-1222.

For general information on product use, etc., call the National Pesticide Information Center at 833-588-7239.

NOTE TO PHYSICIAN

Use Caution:

Environmental Hazards:
Do not apply directly to water, or areas where surface water is present or to intertidal areas below the high water mark. Do not contaminate water when disposing of equipment wash water or runoff.

A level, well-maintained vegetable biter strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of nitrate and fertilizer from seepage and runoff. Use of this product will be reduced by avoiding applications when rainfall or irrigation is expected to occur within 48 hours. Sound erosion control practices will reduce this product’s potential to reach aquatic sediment via runoff.

Physical or Chemical Hazards:
Do not use with or near any oxidizing or reducing agents.

User Safety Recommendations

Applicators, mixers, and/or loaders should wash hands before eating, chewing gum, using tobacco, or using the toilet. Remove clothing/PPE immediately if pesticide gets inside, wash thoroughly and put on clean clothes.

Product Information

CENTURO™-nitrigen stabilizer is a water soluble solid liquid product that may be used with anhydrous ammonia, aqua ammonia, urea ammonium nitrate, and other liquid ammoniacal or water soluble fertilizers and liquid manures.

CENTURO™-can be used for canola, corn, cotton, rice, small grains, sorghum, and wheat where a nitrification inhibitor is needed and fertilizer nitrogen is placed on or below the soil surface.

This is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read all Directions for Use carefully before application.

Do not apply this product in a way that will contact workers or other persons either directly or through drift. Only protected handlers are allowed in the area during application. For any requirements specific to your state or tribe, consult the agency responsible for pesticide regulation.

Agricultural Use Requirements

Use the product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 190. This Standard contains requirements for the protection of agricultural workers on farms, in forests, nurseries and greenhouses, and handlers of food. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific training and educational requirements about personal protective equipment (PPE) and other workplace hazards.

The requirements in this box only apply to uses of this product that were not covered by the Worker Protection Standard.

Do not allow workers to enter treated areas during the restricted entry interval (REI) of 24 hours. The product is soil-injected or soil incorpored, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if they have no contact with anything that has been treated.

Storage and Disposal

Do not contaminate water, food, or feed by storage or disposal.

Storage: Store in a secured place out of reach of children and animals and away from other chemicals.

Always store pesticides in the original container. If a leaky container must be contained within another, mark the outer container to identify the contents. Store areas must be locked and secured from vandals, with precautionary signs posted.

The storage area must be dry, well-lighted, and well-ventilated. Keep pesticide storage area clean. Clean up any spills promptly. Keep all chemicals out of reach of children and animals. If the container has an indicator, use the indicator to check the contents.

Application with Liquid Manure:
Use CENTURO™ at 1.2 gallons per acre. Apply by liquid manure for coverage area.

Applicators of Agricultural Pesticides: This product should only be used by those who have been trained to safely handle and apply fertilizer products. Wear appropriate personal protective equipment. Follow all additional precautions and restrictions required for the fertilizer product used.

Mixing Directions

Chelated, leaching, CENTURO™ is compatible with most liquid nitrogen fertilizer products and washing or rinsing equip-
ment between uses is usually not necessary. However, it is recommended that compatibility testing be performed before equipment use is changed from one material to another. Avoid contact with strong oxidizing agents and acids.

Anhydrous Ammonia: CENTURO™ is soluble in liquid anhydrous ammonia. CENTURO™ may be pumped into the anhy-
drous ammonia tank through the liquid fill valve before, during, or after loading. Pumping and metering systems are necessary for loading the CENTURO™ into the tanks. The ammonia containing CENTURO™ is then applied to crop using conventional anhydrous ammonia application equipment. CENTURO™ can also be applied through downspout co-injection systems that place the CENTURO™ in close proximity to the anhydrous ammonia.

Liquid Fertilizers: CENTURO™ may be mixed with liquid fertilizers such as aqua ammonia, urea ammonium nitrate solution, or other liquid ammoniacal or urea liquid manures. CENTURO™ can also be added to liquid fertilizer in storage tanks, rinse tanks, or implement tanks with nitrogen fertilizers. Product of this mix can be applied to treated areas using the application equipment of the liquid fertilizer.

Tank Mixing: Check the physical compatibility of tank mixtures as indicated below. It is the pesticide user’s responsibility to ensure that all tank-mixed pesticide products are registered for the intended use. Users must follow the most restrictive directions for use and preapplication statements of each product in the tank mixture. Once the CENTURO™ is mixed into the fertilizer, continuous agitation should not be necessary. However, depending on the company, the mixture may require constant agitation during both mixing and application to ensure uniformity of the spray mixture. Read and carefully follow all applicable directions including dosage rates, restrictions, and precautions for the specified crops on labeling for the other products used in combination with CENTURO™.

When making a tank mix, any product with a pH less than 5 should be added to the mixture first. The mixture should be adjusted to a pH greater than 5, with a base before the CENTURO™ is added.

Tank Mixing Compatibility Test: To test the compatibility of CENTURO™ with crop protection chemicals or biologicals, add equal proportions of each ingredient to a small jar, then cap, shake, and let stand for one day. Formation of precipitates of layers that do not readily re-disperse indicates an incompatible mixture and should not be used.

TERMS AND CONDITIONS OF USE

If the terms of the following Limited Warranty, Warranty Disclaimer and Liability of Warranty Disclaimer are not acceptable, return un-
opened product immediately to place of purchase for a refund of the purchase price paid. Otherwise, use by the buyer of this product or any other person constitutes acceptance of the terms under Warranty Disclaimer and Inherent Risks of Use and Limitation of Liability.

LIMITED WARRANTY

To the extent consistent with applicable law, Koch Agronomic Services, LLC (‘KAS”) will discontinue the warranty for this product in the first 7 (7) years after the date of purchase (1) to the extent that the chemical description on the label and (2) to the extent reasonably fit for the purposes expressly stated on the label when used in strict accordance with the instructions included in the label, subject to the specific exclusions set forth herein.

WARRANTY LIMITATIONS/LIABILITY OF LIABILITY

It is impossible to eliminate all risks associated with use of this product. Crop damage or personal injury, lack of performance, or other unanticipated consequences may result because of such factors as weather, crop and soil conditions, cultural practices, and other factors, all of which are beyond the control of KAS. Except as warranted on this label, a person accepts the risks of use associated with this product or any other product or any other person is authorized to vary or exceed the terms of the Limited Warranty, Warranty Disclaimer or any other express or implied warranties.

It is impossible to eliminate all risks associated with use of this product. Crop damage or personal injury, lack of performance, or other unanticipated consequences may result because of such factors as weather, crop and soil conditions, cultural practices, and other factors, all of which are beyond the control of KAS. Except as warranted on this label, a person accepts the risks of use associated with this product or any other product or any other person is authorized to vary or exceed the terms of the Limited Warranty, Warranty Disclaimer or any other express or implied warranties.

Karen Kasparian

KAS DOES NOT GUARANTEE THAT USE OF THIS PRODUCT WILL YIELD ANY SPECIFIC RESULTS EXCEPT AS WARRANTED IN THIS LABEL. TO THE EXTENT PERMITTED BY APPLICABLE LAW, ANY OTHER EXPRESSED OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS OR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY IS DISCLAIMED AND NOT MADE.

U.S. Patent Number: 9,440,890

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