



CORON[®] METRA 28

CODE 70

28-0-0

CONTROLLED RELEASE NITROGEN

GUARANTEED ANALYSIS

Total Nitrogen (N) 28.00%
 8.4% Urea Nitrogen
 19.6% Water Soluble Nitrogen*

Derived from urea, methylene diurea, and methylene ureas.

*19.6% Slowly Available Nitrogen from methylene diurea and methylene ureas.

Lbs./Gal 10.60

Lbs. N/Gal 2.97

Gals/Ton 188.70

KEEP OUT OF REACH OF CHILDREN

WARNING

May be harmful if swallowed
 May be harmful in contact with skin
 Causes serious eye irritation
 Causes skin irritation
 May be harmful if inhaled



WEIGHT PER GALLON: 10.6 lbs. (4.81 kg)

SN 080718HAE

NET CONTENTS: 2.5 gal. (9.46 L)

Information about the components of this lot of fertilizer may be obtained by writing to Helena Agri-Enterprises, LLC, 225 Schilling Boulevard, Suite 300, Collierville, TN 38017 and giving the lot number which is found on the container.

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

F002593

MANUFACTURED FOR

HELENA AGRI-ENTERPRISES, LLC
 225 SCHILLING BOULEVARD, SUITE 300
 COLLIERVILLE, TENNESSEE 38017
 901-761-0050



FORMULATION
TECHNOLOGY

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

BEFORE USING THIS PRODUCT, READ ALL PRECAUTIONS, DIRECTIONS FOR USE, CONDITIONS OF SALE—LIMITED WARRANTY AND LIMITATIONS OF LIABILITY AND REMEDIES. May be harmful if swallowed. May be harmful in contact with skin. Causes serious eye irritation. Causes skin irritation. May be harmful if inhaled. Keep product locked up and out of the reach of children. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or smoking tobacco. Remove and wash contaminated clothing before reuse. Do not take internally. Avoid contact with or inhalation of spray application mist if present. Do not apply this product in such a manner as to directly expose workers or other persons. If product is being mixed with pesticides and/or spray adjuvants, follow all precautionary statements on the accompanying product(s) labeling. Not for human or animal consumption.

Personal Protective Equipment (PPE): Wear protective eyewear (goggles or face shield), chemical-resistant gloves, long-sleeved shirt and long pants, and shoes plus socks when using this product. Take off any contaminated clothing and wash before reuse.

FIRST AID

IF SWALLOWED:	Call a poison center or doctor if you feel unwell. Rinse mouth.
IF IN EYES:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor.
IF ON SKIN:	Remove contaminated clothing and wash skin with soap and water. If skin irritation occurs, get medical advice/attention.
IF INHALED:	Call a poison center or doctor if you feel unwell.

GENERAL INFORMATION

Foliar fertilization is intended as a supplement to a regular fertilization program and will not, by itself, provide all the nutrients normally required by crops or other intended plants.

2.08 lbs./gal. of Nitrogen, out of 2.97 lbs./gal. of the total Nitrogen in this product, is controlled release.

PRECAUTION: Use of this product in accordance with label directions is not expected to adversely affect normal vegetative and/or reproductive growth in most situations. However, various environmental and agronomic factors, such as crop stress associated with high temperatures and/or dry conditions, make it impossible to eliminate all risks associated with the use of the product; therefore, crop injury is always possible. The user assumes all risks of use and handling. In an effort to reduce the risk of crop injury, apply early morning or late evening.

CORON® METRA 28 is "rainfast" under normal conditions in less than one hour following application.

SPECIALITY USE GENERAL RECOMMENDATIONS

BENT GRASS: 4.5-6.8 lbs. of nitrogen per 1,000 sq. ft. per year applied in multiple applications of 1/8 to 1/4 lb. of nitrogen. Use higher rates in areas with prolonged growing seasons, areas of high use or "grow in" situations.

BERMUDA GRASS: 9-11.5 lbs. of nitrogen per 1,000 sq. ft. per year in multiple applications of 1/4 to 1/2 lb. of nitrogen. Use higher rates in areas with prolonged growing seasons, areas of high use or "grow in" situations.

BLUE GRASS & OTHER COOL SEASON GRASSES: 3.75-4.25 lbs. of nitrogen per 1,000 sq. ft. per year applied in multiple applications. Use higher rates in areas with prolonged growing seasons, areas of high use or "grow in" situations.

ST. AUGUSTINE & OTHER WARM SEASON GRASSES: 2.5-3.5 lbs. of nitrogen per 1,000 sq. ft. per year applied in multiple applications. Use higher rates in areas with prolonged growing seasons, areas of high use or "grow in" situations.

ORNAMENTAL & CONTAINER GROWN PLANT MATERIAL:

Fertigation: Apply 1/2 to 2 gallons per acre through the irrigation system or soil drench. Repeat as necessary to maintain optimal plant growth & vigor. Check with local or state agency for anti-siphon requirements.

Foliar Application: Use 1/2 to 1 gallon per 100 gallons of water per application dependent upon crop requirements.

TREE & SHRUB: 1 to 3 lbs. of nitrogen per 1,000 sq. ft. of landscape area root (soil) injected or flood-applied in minimum of 1 to 2 applications per year.

Foliar Application: Mix 1/2 to 1 gallon per 100 gallons of water and spray to run off. Repeat as necessary to maintain optimal plant growth and vigor.

Soil Injection Mixing Rates: To apply 1 lb. of nitrogen per 1,000 sq. ft. using 10 gallons total volume per 1,000 sq. ft. Inject into the soil 4"-8" deep.

APPLICATION

Application Rate		Total Nitrogen Supplied	Controlled Release Nitrogen Supplied
Pints	Ounces	Pounds	Pounds
1	16	0.37	0.26
2	32	0.74	0.52
3	48	1.11	0.78
4	64	1.48	1.04
5	80	1.86	1.30
6	96	2.23	1.56
7	112	2.60	1.82
8	128	2.97	2.08

PRECAUTIONS: Do not exceed 2.0 lbs. N/1,000 sq. ft. per application. Apply in water carrier at no less than 2 to 5 gallons per 1,000 sq. ft.

AGRICULTURAL USE GENERAL RECOMMENDATIONS

ALMONDS: 1-1 1/2 gals./acre at pre-pink bud to early bloom. Repeat in 30 days at 2-2 1/2 gals./acre. Use higher rates for larger trees and/or when more foliage is present. Post harvest: Apply 3-5 gals./acre in 1 or 2 applications.

APPLES: 1-1 1/2 gals./acre in bud swell to king bloom and 1-1 1/2 gallons 30 days later. 1-1/2 gals./acre 30-40 days prior to harvest for sizing. Post harvest: Apply 3-5 gals./acre in 1 or 2 applications.

SNAP BEANS: 3 gals./acre at early bloom (with fungicide). Can be applied in split applications.

DRY BEANS: 2-3 gals./acre at early bloom. Repeat after pods are formed.

GREEN BEANS & PEAS: 1-3 gals./acre shortly after first flowers appear and repeat 10-14 days later.

LIMA BEANS: 2-3 gals./acre at early bloom and repeat after pod fill begins.

CABBAGE (BOK CHOY & NAPA), CAULIFLOWER, BROCCOLI: 2-3 gal./acre at early head formation and repeat 7-10 days later.

CELERY: 1-2 gals./acre 10 days after transplanting. Repeat at 2 gals./acre in 3 intervals until 3 weeks prior to harvest, using 7-8 gallons total over crop.

CITRUS: 1-5 gals./acre at pre-bloom or bloom and repeat in 30 days. Subsequent applications when nitrogen needs are evident.

CORN: 2-3 gals./acre after pollination.

Disclaimer: Always refer to the label on the product before using Helena or any other product.

CORN (SEED): 2-3 gals./acre before detasseling and repeat after pollination.

COTTON: Early Season: 1-2 quarts/acre in an over the row application after plants reach 4 leaf stage. Mid-Season: 2-5 gals./acre at early bloom and repeat as necessary.

CUCUMBERS, SQUASH, PUMPKINS, WATERMELONS, CANTALOUPE: 1-3 gals./acre at early bloom and repeat approximately 4 weeks after bloom application.

GARLIC: Spray 1-2 gals./acre directed over row from 10-12 inches height. Make 3-4 applications.

GRAPES (TABLE): 1-2 gals./acre when nitrogen needs are evident or an increase in canopy is required to reduce sunburn.

GRAPES (SEED PRODUCTION): 1-1 ½ gals./acre at pre-bloom. 2-3 gals./acre at seed head elongation. Can be applied to Pencross Stolens at 1-2 gals./acre.

HAZELNUTS: 1-1 ½ gals./acre at early leaf expansion and repeat at 14 -21 day intervals. Post Harvest: Apply 3-5 gals./acre in 1 or 2 applications to strengthen buds.

LETTUCE: 2-3 gals./acre after thinning. Repeat 14 days later and again 14 days prior to harvest.

MINT (PEPPERMINT, SPEARMINT): For row or established mint: 2-3 gals./acre – end of March, early April.

3-5 gals./acre – post flame late April, early May. May be combined with fungicide.

2-3 gals./acre – mid June. Combine with pesticide.

3-5 gals./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. **CORON® METRA 28** pH is 8.5-9.8. Apply in sufficient water, minimum of 20 gals./acre to provide good coverage to foliage.

OLIVES: 1-3 gals/acre at pre-bloom and repeat in 30 days. Apply 4-5 gals./acre 4-6 weeks prior to harvest.

ONIONS: 2 gals/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 ½ gals./acre at bud swell to early bloom and repeat in 30 days. Apply 2-4 gals/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 gals/acre in 1 or 2 applications to strengthen buds and to storage. Compatible with zinc.

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

PEARS (BARTLETT): 1-1 ½ gals/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 gals/acre in 1 or 2 applications

PEPPERS: 2-3 gals/acre at early bloom and repeat 14 days later to improve canopy and reduce sunburn.

POTATOES: 2 gals/acre prior to tuberization and at early bloom at 2 gals/acre. A third application of 2 gals./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 **CORON® METRA 28** is pH stable at 8.5-9.8.

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

SAFFLOWER: 3-5 gals/acre at early bloom.

SEED CROPS: 1 ½-2 gals./acre at early bloom. 3-4 weeks later apply 2 gals/acre. 30-60 days prior to harvest apply 2 gals/acre to fill out seed.

SOD: Apply 2-3 gallons per acre as needed to increase density and root growth.

SOYBEANS: 2-3 gals/acre at early pod and repeat in 14-21 days.

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

STRAWBERRIES: 1-3 gals./acre when early bloom and repeat in 14-21 days.

SWEET CORN: 2-3 gals./acre at a 12- to 14-inch height, at early tassel stage, and again at early silk stage.

TOBACCO: 3-6 qt./acre. Apply at plant bed stage to near maturity as needed to maintain crop growth and quality. **DO NOT use in transplant water.**

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

WALNUTS: 1-1 ½ gals./acre when nitrogen needs are evident (mid-June to late July in California).

WHEAT: 2-5 gals./acre at flag leaf stage depending on residual soil fertilizer or rainfall, etc. Flag leaf stage according to Feekes Scale is generally the sixth or seventh true leaf on the main stem of the plant. Can be applied with herbicides at 1-2 gals./acre. Can also be applied with **Tilt®** in low volume or undiluted.

YOUNG TREES: For growth response, use 5 gallons in 100 gallons of water and spray wet.

RECOMMENDED DRIP FERTIGATION RATES

STRAWBERRIES: 3-5 gals./acre twice a month for five to six months in California.

TOMATOES/ PEPPERS: 3-5 gals./acre twice a month for three to four months.

GRAPES: 3-5 gals./acre three applications per season.

LETTUCE: 3-5 gals./acre at first irrigation and repeat as needed.

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

RECOMMENDED APPLICATION TO FRUIT AND NUT TREES PRE-BLOOM THROUGH BLOOM

Almonds, Apricots, Citrus, Filberts, Kiwi, Nectarines, Peaches, Plums and Walnuts: To increase flower initiation for increased yields of fruit and nuts.

1-1 ½ gals/acre of **CORON® METRA 28** at pink bud, popcorn, or early bloom in adequate water for complete coverage.

2-2 ½ gals/acre of **CORON® METRA 28** at petal fall to thirty days after bloom spray in adequate water for complete coverage.

Cherries: Apply ½ -1 gal/acre of **CORON® METRA 28** at early bloom through petal fall. Use sufficient water for adequate coverage.

Pistachio Trees: Apply 1-2 gal/acre any time after leaf emergence begins. Use sufficient water for adequate coverage.

STORAGE AND BLENDING INSTRUCTIONS

Store unblended material in closed container between 0°F and 90°F. Do not store in unmarked containers. Dilute with water and blend with other nutrients and pesticides only at the time of application and in the amounts required.

TANK MIXING

Add ½ total water to the tank.

Turn on recirculation line.

Add prescribed amount of **CORON® METRA 28**.

Add liquid flowable materials.

Add any soluble powders.

Bring water to volume and recirculate before spraying.

STORAGE AND DISPOSAL

Keep container tightly closed. May be stored in unheated area, but keep from freezing. Do not contaminate water sources by cleaning of equipment or disposal of rinse-water. Dispose of empty containers by triple rinsing (or equivalent) with water and pouring rinsate into spray tank. Recycle rinsed containers whenever possible or puncture and discard empty containers in a landfill in accordance with current local, state, International and federal regulations. For help in chemical emergencies involving spill, leak, fire or exposure, call toll free 1-800-424-9300.

CONDITIONS OF SALE-LIMITED WARRANTY AND LIMITATIONS OF LIABILITY AND REMEDIES

Read the Conditions of Sale-Warranty and Limitations of Liability and Remedies before using this product. If the terms are not acceptable, return the product, unopened, and the full purchase price will be refunded.

This label is believed to be reliable and must be followed carefully. Injury to the crop to which the product is applied may result from the occurrence of extraordinary or unusual weather conditions or the failure to follow the label directions or good application practices, all of which are beyond the control of Helena Agri-Enterprises, LLC (the "Company") or seller. In addition, failure to follow label directions may cause injury to crops, animals, man or the environment. The Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose referred to subject to the factors noted above which are beyond the control of the Company. The Company makes no other warranties or representations of any kind, express or implied, concerning the product, including no implied warranty of merchantability or fitness for any particular purpose, and no such warranty shall be implied by law.

The exclusive remedy against the Company for any cause of action relating to the handling or use of this product shall be limited to, at Helena Agri-Enterprises, LLC's election, one of the following:

1. Refund of the purchase price paid by buyer or user for product bought, or
2. Replacement of the product used

To the extent allowed by law, the Company shall not be liable and any and all claims against the Company are waived for special, indirect, incidental, or consequential damages or expense of any nature, including, but not limited to, loss of profits or income. The Company and the seller offer this product and the buyer and user accept it, subject to the foregoing conditions of sale and limitation of warranty, liability and remedies.

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AOAC Official Method 2003.14

Determination of Urea in Water-Soluble

Urea-Formaldehyde Fertilizer Products

and in Aqueous Urea Solutions

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