

241-238

7-30-2002

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RESTRICTED USE PESTICIDE
Due to Acute Oral and Dermal Toxicity and Risks to Aquatic Organisms and Other Wildlife from Runoff from Treated Fields

For retail sale to, and use only by Certified Applicators or persons under the direct supervision of a Certified Applicator, and only for those uses covered by the Certified Applicator's certification.

BASF Corporation endorses Certification to promote the responsible use of pesticides to insure the protection of man and the environment.

COUNTER® 15G
systemic insecticide-nematicide

LOCK 'n LOAD® Closed Handling System

FOR USE IN FIELD CORN, FIELD CORN GROWN FOR SEED, POPCORN, SWEET CORN,

SUGAR BEETS, AND GRAIN SORGHUM

Active Ingredient: terbufos: S-[[[(1,1-dimethylethyl)thio]methyl] 0,0-diethyl phosphorodithioate.....15.0%

Inert Ingredients.....85.0%

Total.....100.0%

EPA Reg. No. 241-238

EPA Est. No.

KEEP OUT OF REACH OF CHILDREN

DANGER! ¡PELIGRO!



Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
 (If you do not understand this label, find someone to explain it to you in detail).

FIRST AID

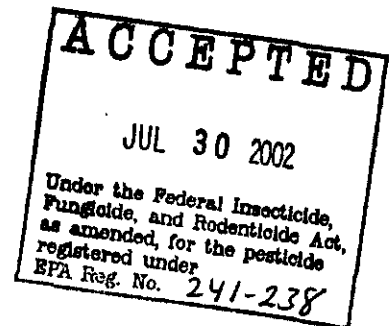
Organophosphate (A Cholinesterase Inhibitor)

CALL A PHYSICIAN AT ONCE IN ALL CASES OF SUSPECTED POISONING

IF SWALLOWED:

- 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 do so by a poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

IF INHALED:



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Move person to fresh air.

If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth if possible.

Call a poison control center or doctor for further treatment advice.

IF 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.

IF 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 eye.

Call a poison control center or doctor for treatment advice.

Repeated inhalation or skin contact may, without symptoms, progressively increase susceptibility to poisoning.

Antidote: Atropine is an antidote.

IN CASE OF AN EMERGENCY ENDANGERING LIFE OR PROPERTY INVOLVING THIS PRODUCT, CALL 1-800-832-HELP.

NOTE TO PHYSICIANS

Warning signs and symptoms include weakness, muscle twitching, headache, tightness in chest, respiratory depression, blurred vision, miosis, hypersecretion, nausea, vomiting, diarrhea, and abdominal cramps. If poisoning is probable, treat the patient immediately. Clear airway and provide oxygen before administering atropine. Give atropine intravenously (IV), intramuscularly or through an alternative route such as an endotracheal tube. Depending on severity of poisoning, use 2 to 4 milligrams IV in adults (or 0.05 mg/kg in children under 12 years) every 10 – 15 minutes until fully atropinized as shown primarily by control of pulmonary secretions. Proceed concurrently with decontamination using proper protective gear; for example, chemical-resistant gloves rather than cotton or leather ones. Use soap (preferably, tincture of green soap) and water, or a dilute hypochlorite solution, for decontaminating skin. Maintain atropinization by repeated doses based on recurrence of symptoms. Twenty to thirty milligrams, or more, may be required during the first 24 hours, and preservative-free atropine preparation should be used if large doses are required. Generally, inducing emesis is not advisable. Avoid opiates, parasympathomimetic agents (e.g. succinylcholine), theophylline, reserpine, and or phenothiazines. Suction oral secretions and emesis to avoid aspiration. Artificial respiration or oxygen administration may be necessary. If not contraindicated, gastric emptying by lavage may be considered after ingestion of a potentially life-threatening amount if it can be performed soon after ingestion (within an hour). A slurry of activated charcoal may be medically warranted at an oral dose appropriate for adult, child, or infant. For seizures, give a benzodiazepine intravenously. Observe patient continuously for at least 72 hours. Allow no further exposure until cholinesterase regeneration has taken place as determined by blood tests.

Pralidoxime chloride (2-PAM; PROTOPAM chloride) appears to be an effective adjunct to atropine, especially in those severely ill and if given soon. Before it's administered, obtain a blood sample for cholinesterase analysis. Adjusting for age and weight, pralidoxime may be administered as a continuous infusion after a loading dose or using a bolus method.

Have the product leaflet label with you when calling a poison control center or doctor, or going for treatment.

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See back panel for additional precautionary statements.

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Research Triangle Park, NC 27709

BASF

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NVA2001-04-112-0222

Net Weight:

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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER!

Fatal if swallowed, inhaled, or absorbed through the skin. Do not breathe dust. Do not get in eyes, on skin, or on clothing.

Do Not Breathe Dust

Do Not Contaminate Food or Feed Products

Once a container has been opened, use it completely. Make sure the hoppers are emptied while still in the field. Refer to STORAGE AND DISPOSAL statement for further instructions.

Keep Out of Reach of Domestic Animals

Not for Use or Storage In or Around the Home

WORK SAFETY RULES

REPEATED EXPOSURES TO CHOLINESTERASE INHIBITORS SUCH AS ARE CONTAINED IN THIS PRODUCT MAY, WITHOUT WARNING, CAUSE PROLONGED SENSITIVITY TO VERY SMALL DOSES OF ANY CHOLINESTERASE INHIBITOR.

Persons working with this product should have frequent blood tests of their cholinesterase levels. If the cholinesterase level falls below a critical point, no further exposure should be allowed until it has been determined by means of blood tests that the cholinesterase level has returned to normal. Before using this product, consult the National Pesticide Telecommunication Network for recommendations regarding such blood tests, poisoning management, emergency treatment, and other information regarding the toxicity of terbufos. The toll-free number for the National Pesticide Telecommunication Network is 1-800-858-7378.

If handled indoors, provide mechanical exhaust ventilation.

Keep all unprotected persons, children, livestock, and pets away from treated areas or where there is danger of drift.

Do not rub eyes or mouth with hands. If you feel sick in any way, STOP work and get help right away. See First Aid section.

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Under certain field conditions, terbufos and its degradates have a potential for runoff into surface water for several weeks following application.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, whether directly or through drift. 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. This label must be in the possession of the user at the time of pesticide application.

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Personal Protective Equipment (PPE):

Some materials that are chemical-resistant to this product are those made of waterproof material. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.

Loaders, applicators and other handlers must wear:

- long sleeved shirt and long pants,
- shoes plus socks.

In addition, loaders must wear:

- chemical resistant gloves (such as those made of waterproof material).
- Chemical resistant apron
- See engineering controls for additional requirements.

Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables are available, use detergent and hot water. Keep and wash PPE separately from other laundry. Wash all PPE after each day's use.

Do not reuse contaminated clothing. Clothing and protection equipment heavily contaminated must be destroyed according to state and local regulations. HEAVILY CONTAMINATED CLOTHING CANNOT BE ADEQUATELY DECONTAMINATED.

IMPORTANT: In addition to the PPE listed above for loaders, the following PPE: protective eyewear, coveralls, chemical resistant footwear, and a respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C) or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G) or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any N, R, P or HE prefilter must be worn by handlers other than loaders and applicators when performing all pesticide handling tasks other than loading and application, such as spill clean-up and equipment maintenance, cleaning and repair.

User Safety Recommendations:

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

FAILURE TO FOLLOW PRECAUTIONS INCLUDING WEARING PROPER PERSONAL PROTECTIVE EQUIPMENT (PPE) MAY RESULT IN SERIOUS OR EVEN LIFE THREATENING POISONING REQUIRING IMMEDIATE MEDICAL ATTENTION. THE ACTIVE INGREDIENT OF THIS GRANULAR FORMULATION CAN BE ABSORBED THROUGH THE SKIN TO CAUSE POISONING.

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Engineering Controls

This product is formulated into an enclosed system that meets the definition of a closed loading system as defined by the Worker Protection Standard for Agricultural Pesticides. In addition to wearing the required PPE specified above for applicators, loaders must be provided and must have immediately available for use in case of an accident or spill: coveralls, protective eyewear, chemical resistant footwear, a respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C) or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G) or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any N, R, P or HE prefilter.

Applicators must use an enclosed cab that meets the definition in the Worker Protection Standard for Agricultural Pesticides for dermal protection. In addition, the applicator:

- must wear the PPE specified above for applicators,
- must either use an enclosed cab that also provides equivalent respiratory protection to a dust/mist filtering respirator or wear a respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C) or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G) or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any N, R, P or HE prefilter.
- must be provided and must have immediately available for use in case they must exit the cab in the treated area: protective eyewear, coveralls, chemical resistant gloves, chemical resistant footwear, and if using an enclosed cab that provides respiratory protection, respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C) or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G) or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any N, R, P or HE prefilter.
- Take off any PPE that was worn in the treated area before reentering the cab, and
- Store all such PPE in a chemical-resistant container such as a plastic bag, to prevent contamination inside of the cab.

ENVIRONMENTAL HAZARDS

This pesticide is highly toxic to fish and wildlife and has been known to cause fish kills. Runoff may be hazardous to aquatic organisms in neighboring areas. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wastewater or rinsate. See Directions for Use for required buffer zones or setbacks. Birds and mammals may be killed if granules are not properly covered with soil in all areas of the treated field and in loading areas. Cover, incorporate or clean up product that is spilled during loading or that is visible on the soil surface in turn areas.

Do not apply in wet soil conditions that may prevent the equipment from covering pesticide granules. Do not apply to frequently flooded areas

Under certain field conditions, terbufos and its degradates have a potential for runoff into surface water for several weeks following application.

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AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), notification to workers, and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 48 hours. Each 48-hour REI is increased to 72 hours in outdoor areas where average rainfall is less than 25 inches a year.

Exception: if the product is soil-injected 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.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and the involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls over long-sleeved shirt and long pants
- Chemical-resistant gloves (such as those made of waterproof material)
- Chemical-resistant footwear plus socks
- Protective eyewear

Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas.

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STORAGE AND DISPOSAL

Storage

Store pesticide products in a secure locked area where children, unauthorized persons, and animals cannot enter. Do not store in the same area with food or feed. Do not store opened containers.

Prohibitions

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

Pesticide Disposal

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your state pesticide or Environmental Control Agency, or the hazardous waste representative at the nearest EPA Regional Office for guidance.

Container Disposal

Return empty container to point of purchase.

General

~~Consult federal, state or local disposal authorities for approved alternative procedures such as limited open burning.~~

DISCLAIMER

The label instructions for the use of this product reflect the opinion of experts based on research and field use. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the use of, or application of the product contrary to label instructions, all of which are beyond the control of BASF Corporation (BASF). All such risks shall be assumed by the user.

BASF shall not be responsible for losses or damages resulting from use of this product in any manner not set forth on this label. User assumes all risks associated with the use of this product in any manner not specifically set forth on this label.

BASF warrants only that the material contained herein conforms to the chemical description of the label and is reasonably fit for the use therein described when used in accordance with the directions for use, subject to the risks referred to above. **BASF DOES NOT MAKE OR AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, AND EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.**

BUYER'S EXCLUSIVE REMEDY AND BASF'S EXCLUSIVE LIABILITY, WHETHER IN CONTRACT, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL BE LIMITED TO REPAYMENT OF THE PURCHASE PRICE OF COUNTER 15G. In no case shall BASF or the seller be liable for consequential, special or indirect damages resulting from the use or handling of this product.

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**BEFORE USING, READ PRECAUTIONARY STATEMENTS
AND ENVIRONMENTAL HAZARDS.**

Loader and applicator requirements to minimize the potential for runoff to surface water:

- maintain a 500 foot vegetative buffer between treated area and surface water on neighboring land
- maintain a 500 foot buffer between a standpipe drain outlet and surface water on neighboring land.
- maintain a 66 ft. setback between the treated area and entry points to surface water bodies on non-highly erodible soils,
- maintain a 300 ft. setback between the treated area and entry points to surface water bodies on highly erodible soils (HES),
- ~~maintain a 500 ft. vegetative buffer between treated area and entry points to surface water on adjacent property not owned by the landowner of the treated field,~~
- maintain a 66 ft. setback between treated area and standpipes on terraced fields as well as a 66 ft. vegetative buffer between the tile outlet and entry points to surface water bodies,

All setbacks must be planted to a crop or seeded with grass or other suitable cover and all vegetative buffers must be seeded with grass or other suitable cover.

Do not load, rinse or wash equipment within 300 ft. from surface water bodies. Do not load, rinse, or wash equipment within 50 feet from wells unless conducted on an impervious surface.

To prevent channeling of surface water runoff, adjust the planter row-cleaners appropriately to prevent rows lower in height than adjacent soil.

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Crops	Pests Controlled	Rate of COUNTER 15G	Application	Remarks
FIELD CORN, FIELD CORN GROWN FOR SEED, POPCORN AND SWEET CORN	Corn rootworms ¹ Wireworms White grubs Seedcorn maggots Seedcorn beetles Corn flea beetles Maize billbugs Southern corn billbugs Thrips Symphylans Chinchbugs ²	Banded or In-Furrow 6.0 ⁴ to 8 oz. per 1,000 ft. of row for any row spacing. Do not exceed 8.7 pounds of COUNTER 15G per acre.	Banded Place granules in a 7-inch band over the row, in front of the presswheel and incorporate evenly into the top 1" of the soil. In-Furrow Place granules directly in the seed furrow behind the planter shoe.	For use on conventional, conservation, or no till corn. In situations where crop debris or winds can prevent proper placement of granules, in- furrow applications are recommended. In- furrow applications reduce the potential for insecticide runoff resulting from excessive rain. The presswheel should be adjusted so that the closed seed furrow is higher than the surrounding soil, to reduce the potential for insecticide run-off resulting from excessive rain. ¹ COUNTER 15G controls all species of corn rootworms including southern, northern, western, and Mexican corn rootworms. ² For use in the states of Alabama, Florida, Georgia, Louisiana, Mississippi and Texas only for early season control of light to moderate infestations. ³ Under dry soil conditions or heavy infestations, it may be necessary to apply an insecticide rescue treatment with another registered insecticide after corn emergence to control surviving cutworm larvae. ⁴ The 6.0 rate should only be used on first year corn. Use the high rate on first year corn where heavy rootworm population pressures are anticipated or for control of other pests. If application is made at planting, do not make post-emergence or cultivation time treatments of COUNTER 15G. ALS inhibiting herbicides* SHOULD NOT be used if Counter 15G has been applied to corn at the time of planting. See additional information for "at cultivation" applications.
At Planting	Nematodes: Lance Lesion Root knot Spiral Stunt Sting Stubby root Dagger			
	Suppression of: Cutworms ³ Lesser cornstalk borers			

*Such as Accent, Accent Gold, Basis, Basis Gold, Steadfast, Beacon, ~~Broadstrike, Plus, Exceed~~, Hornet, Permit, Scorpion III, Celebrity, Celebrity Plus, Lightning, Northstar and Spirit

~~Exceed~~

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CROPS	Pest Controlled	Rates of COUNTER 15G	Application	Remarks
Postemergence Incorporated (Same as crops above)	Maize billbugs Southern corn billbugs	Banded 8 oz. per 1,000 ft. of row for any row spacing. Do not exceed 8.7 pounds of COUNTER 15G per acre.	Apply in a 7-inch band over the row of seedling corn plants when billbugs or damage are observed, usually in the 1 to 6 leaf stage of growth. Use cultivators or other suitable implement to lightly incorporate granules into soil.	Only one at planting, post-emergence incorporated, or cultivation time treatment of COUNTER 15G may be used. Consult your state experiment station, state extension service or certified pest management specialist for proper timing of application.
At Cultivation (Same as crops above)	Corn rootworms	8 oz. per 1,000 ft. of row for any row spacing. Do not exceed 8.7 pounds of COUNTER 15G per acre.	Apply granules to base of plants just ahead of cultivation shovels so as to cover granules with soil.	Do not graze or cut for forage within 30 days of treatment. Do not harvest sweet corn within 60 days after application. For Field Corn Only: (Excluding Field Corn Grown For Seed) COUNTER 15G may be applied 7 days after application of ALS* inhibiting herbicides. Beacon* herbicide. BASF does not recommend using Beacon herbicide following use of COUNTER 15G at planting.

*Such as Accent, Accent Gold, Basis, Basis Gold, Steadfast, Beacon, ~~Broadstrike, Plus, Exceed~~, Hornet, Permit, Scorpion III, Celebrity, Celebrity Plus, Lightning, Northstar and Spirit

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CROPS	Pest Controlled	Rates of COUNTER 15G	Application	Remarks
SUGAR BEETS	Sugar beet root maggots ⁵ Sugar beet leafhopper ⁶ Aphids ⁶ Wireworms ⁵ White Grubs ⁵ Crown borer ⁷	Banded or Modified In- Furrow 4-8 oz. per 1,000 ft. of row for any row spacing (minimum 20 inch row spacing) or no more than 13.1 lbs. of COUNTER 15G per acre.	Modified In- Furrow Apply in-furrow at planting time 2- 3 inches behind the seed drop zone after some soil has covered the seed.	At Planting Do not place granules in direct contact with the seed as crop injury may occur. Power incorporation may be used. Do not incorporate deeper than 2 inches.
At Planting	Suppression of: Cutworms	Banded 8 oz. per 1,000 ft. of row for any row spacing (minimum 20 inch row spacing) or no more than 13.1 lbs. of COUNTER 15G per acre.	Banded Apply in a 5 to 7- inch band over the row and lightly incorporate into the soil with drag chains or tines.	⁵ If especially heavy infestations are expected use the 8 oz. rate. ⁶ Modified in-furrow only at the 8 oz use rate.
	Suppression of: Sugar beet cyst nematode Control of: Sugar Beet leafhopper Aphids	Knifed-in 8 oz. Per 1,000 ft. of row for any row spacing (minimum 20 inch row spacing) or no more than 13.1 lbs. of COUNTER 15G per acre.	Knifed-in Drill granules 2 inches to the side of the seed and 2 to 4 inches below the seed.	Only one application of COUNTER 15G per year may be made.
SUGAR BEETS	Sugar beet root maggot Aphids Sugar beet root aphid Sugar beet leafhopper Crown borer ⁷	Banded 4 to 8 oz. per 1,000 ft. of row for any row spacing (minimum 20 inch row spacing).	Banded Apply in a 5 to 7- inch band over the row and lightly incorporate into the soil with cultivation shovels or other suitable implement.	Post emergence : For sugar beet root maggot control apply at the time of first fly emergence. Do not harvest sugar beets or feed tops to livestock within 110 days after at planting banded, at planting modified infurrow or postemergence banded applications. Do not harvest sugar beets or feed tops to livestock within 150 days of a knifed-in application.
Post-emergence				⁷ Postemergence – apply COUNTER 15G at the first sign of crown borer infestation.

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CROPS	Pest Controlled	Rates of COUNTER 15G	Application	Remarks
GRAIN SORGHUM At Bedding	Greenbugs Corn leaf aphids	Knifed-in: 7 oz. per 1,000 ft. of row for any row spacing (minimum 20 inch row spacing) or no more than 11.3 lbs. of COUNTER 15G per acre.	Knifed-in: Drill granules 1-4 inches below the seed OR 1-4 inches below the seed and up to 5 inches to the side of the seed.	Do not place granules in direct contact with seed as crop injury may occur. Only one application of COUNTER 15G per year may be used.
GRAIN SORGHUM At Planting	Corn rootworms Including southern corn rootworms Wireworms White Grubs Nematodes Greenbugs Corn leaf aphids Chinchbugs ⁹	Banded 7 oz. per 1,000 ft of row for any row spacing (minimum 20 inch row spacing) or no more than 11.3 lbs. of COUNTER 15G per acre.	Banded⁸ Place granules in a 5 to 7- inch band directly behind the planter shoe in front of the press wheel and lightly incorporate with drag chains or tines.	⁸ Do not use banded applications for aphid control in New Mexico, West Texas and the Panhandle of Oklahoma. Do not graze or harvest grain sorghum forage within 50 days after treatment. Do not harvest grain sorghum fodder or grain within 100 days after treatment. ⁹ For use in the states of Alabama, Arkansas, Florida, Georgia, Louisiana, Mississippi and Texas only for early season control of light to moderate infestations.
	Greenbugs Corn leaf aphids	Knifed-in 7 oz. per 1,000 ft. of row spacing for any row spacing (minimum 20 inch row spacing) or no more than 11.3 lbs. of COUNTER 15G per acre.		

*Beacon is a registered trademark of Novartis.

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Use Rates as Pounds per Acre*
(based on various row spacings and application rates)

Application Rates (Oz./1,000 Ft. of Row)

Row Width (inches)	4 oz.	6 oz.	8 oz.
40"	3.3	4.9	6.5
38"	3.4	5.2	6.9
36"	3.6	5.4	7.3
34"	3.9	5.6	7.7
32"	4.1	6.1	8.2
30"	4.4	6.5	8.7
28"	4.7	7.1	9.5
26"	5.0	7.6	10.2
24"	5.4	8.2	10.9
22"	5.9	8.9	11.9
20"	6.5	9.8	13.1

***See directions for specific use rates on each crop.**

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CALIBRATION INFORMATION

FIRST READ THE LABEL.

It is important that applicator equipment be properly set to deliver the labeled rate. This chart will help determine the desired rate of application.

When label is 8 ounces per 1,000 feet of row, use these suggested starting gauge settings, regardless of row spacing:

		PLANTING SPEED		
APPLICATOR		3 mph	5 mph	7 mph
John Deere Max Emerge 2	Models 7200 and 7300	16	23	35
John Deere Max-Emerge	Models 7000 and 7100 Odd Notches 5-15-25-35	11	15	19
John Deere Max-Emerge	Models 7000 and 7100 Even Notches 0-10-20-30	13	19	25
John Deere 71 Flexi-Planter	Metal Hoppers	1/28	2/6	2/15
International Harvester		1/7.0	2/1.5	2/7.5
New International Harvester		1/9.0	2/6.0	3/2.0
Gandy		18	24	28
New Noble		8	12	16
Old Noble		11	17	23
Allis Chalmers	78 and 79 Series	All Speeds - Gauge 7		
Allis Chalmers #385		10	14	18
Buffalo (Gauged)		9	15	20
Buffalo (Fluted-Roll Feed)		All Speeds-5 1/2 Revolutions Hexagonal nut		
White	Refer to Noble Settings			

NOTE: These settings should be used as starting points only. Continually check the amount of COUNTER used against a known length of row or acreage and make further adjustments accordingly. Also, check calibration occasionally to make sure equipment wear, changing moisture conditions, etc., have not caused a change in flow rate.

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