



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

August 13, 2010

Ms. Cheryl Wagner
Helena Chemical Company
c/o Wagner Regulatory Associates, Inc.
P.O. Box 640
Hockessin, DE 19707

Subject: Label Notification(s) for Pesticide Registration Notice 2007-4
Updating the Storage & Disposal Language

Dear Ms. Wagner:

The Agency is in receipt of your Application(s) for Pesticide Notification under Pesticide Registration Notice (PRN) 2007-4 dated June 16, 2010 for the following product(s):

Empower(2) Granular Insecticide

EPA Reg. No. 5905-548

The Registration Division (RD) has conducted a review of this request for applicability under PRN 2007-4 and finds that the label change(s) requested falls within the scope of PRN 98-10. The label has been date-stamped "Notification" and will be placed in our records.


Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on nonrefillable containers. The code may appear either on the label (and can be added by non-notification/PR Notice 98-10) or durably marked on the container itself.

If you have any questions, please contact Regina Foushee'-Smith at 703-605-0780.

Sincerely,

A handwritten signature in black ink that reads "Richard J. Gebken".

Richard J. Gebken
Product Manager
Insecticide Branch
Registration Division (7505P)

 United States Environmental Protection Agency Washington, DC 20460	<input checked="" type="checkbox"/>	Registration	OPP Identifier Number
	<input type="checkbox"/>	Amendment	2/10
	<input type="checkbox"/>	Other	

Application for Pesticide - Section I

1. Company/Product Number 5905-548	2. EPA Product Manager Mark Suarez	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Empower(2) Granular Insecticide	PM# 13	
5. Name and Address of Applicant (Include Zip Code) Helena Chemical Company c/o Wagner Regulatory Associates, Inc. P.O. Box 640 Hockessin, DE 19707 <input type="checkbox"/> Check if this is a new address		6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(I), my product is similar or identical in composition and labeling to: <div style="text-align: center;"> NOTIFICATION AUG 13 2010 </div> EPA Reg. No. _____ Product Name _____

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For Section I and Section II.)

Notification of label change per PR Notice 2007-4. This notification is consistent with the provisions of PR Notice 2007-4 and EPA Regulations at 40 CFR 156.10, 154.140, 156.144, 156.146, and 156.156. No other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under Sections 12 and 14 of FIFRA.

Section - III

1. Material This Product Will Be Packaged In:

Child-Resistant Packaging <input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes" No. per Unit Packaging wgt. container	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes" No. per Package wgt container	2. Type of Container <input type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) HDPE lined bags
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* Certification must be submitted

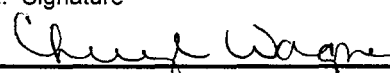
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container	4. Size(s) Retail Container 50 lb. bag 50 lb. plastic container	5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product
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6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Paper glued <input type="checkbox"/> Lithograph <input type="checkbox"/> Stenciled	<input type="checkbox"/> Other ___ adhesive backed label _____
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Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)

Name Cheryl Wagner	Title Agent for Helena Chemical Company	Telephone No. (Include Area Code) (302) 234 8551
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Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		5. Date Application Received <div style="text-align: center;">(Stamp)</div>
2. Signature 	3. Title Agent for Helena Chemical Company	
4. Typed Name Cheryl Wagner	5. Date June 17, 2010	

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June 16, 2010



Wagner Regulatory Associates, Inc.
P.O. Box 640
7460 Lancaster Pike, Suite 9
Hockessin, Delaware 19707

Document Processing Desk (NOTIF)
ATTN: Mr. Mark Suarez PM 13
Registration Division (7504P)
U.S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 South Crystal Drive
Arlington, Virginia 22202-4501

Dear Mr. Suarez:

Re: Empower(2) Granular Insecticide
EPA Registration Number 5905-548
Notice of Revised Storage & Disposal Label Language

Wagner Regulatory Associates, Inc., on behalf of Helena Chemical Company, hereby notifies the Agency that the storage and disposal section of the subject label as been revised in accordance with PR Notice 2007-4. Enclosed for the Agency's file is:

- Letter from Helena Chemical Company authorizing Wagner Regulatory to serve as Agent
- EPA Notification form (EPA Form 8570-1)
- One copy of revised labeling

Please feel free to contact me at (302) 234-8551 if you have any questions or require additional information.

Respectfully submitted,

Cheryl Wagner
Agent for Helena Chemical Company

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HELENA CHEMICAL COMPANY

225 Schilling Blvd., Suite 300
Collierville, Tennessee 38017
Phone: (901) 761-0050

May 3, 2010

US Environmental Protection Agency
Office of Pesticide Programs
1200 Pennsylvania Ave. NW
Washington, D.C. 20460

Re: Designation of Agent for:
Helena Chemical Company (EPA Company no. 5905)
664 Moore Road
Memphis, TN 38120

Dear Sir or Madam:

This letter serves as notification that our company has appointed Wagner Regulatory Associates, Inc. ("WRA") to serve as Agent on our company's behalf regarding US EPA regulatory matters relative to Helena's existing registered products, products pending registration and future registration applications. WRA is based at 7460 Lancaster Pike, Suite 9, Hockessin, Delaware 19707.

Helena requests the EPA to accept registration submissions and inquiries from WRA for Helena products and authorizes the EPA to provide registration correspondence to WRA for Helena products.

Thank you for your time and assistance. Please feel free to call me at if you have any questions. This appointment will remain in effect until such time as it is revoked in writing by Helena.

Respectfully submitted,

A handwritten signature in cursive script that reads "Dave Thomas".

Dave Thomas
Vice President – Marketing

cc: WRA Inc.

SPECIMEN LABEL

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RESTRICTED USE PESTICIDE

Toxic to fish and aquatic organisms.

For retail sale to and use only by certified applicators, or persons under their direct supervision and only for the uses covered by the certified applicator's certification.



Granular Insecticide

Active Ingredients:

	By Wt.
Bifenthrin**: (2 methyl [1,1'-biphenyl]-3-yl) methyl 3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethyl-cyclopropanecarboxylate.....	1.150%
Indole-3-Butyric Acid.....	0.001%
Inert Ingredients:	98.849%
TOTAL	100.00%

**Cis isomers 97% minimum, trans isomers 3% maximum.

U.S. Patent No. 5,725,630; 4,238,505

KEEP OUT OF REACH OF CHILDREN

CAUTION

See Reverse Panel for Additional Precautionary Statements

FIRST AID

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 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.

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

HOTLINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-424-9300 for emergency medical treatment information.

NOTE TO PHYSICIAN: This product is a pyrethroid. If large amounts have been ingested, the stomach and intestines should be evacuated. Treatment is symptomatic and supportive. Digestible fats, oils, or alcohol may increase absorption and so should be avoided.

For Emergency Assistance Call (800) 424-9300.

EPA Reg. No. 5905-548

EPA Est.: First letters of batch code indicate producing establishment: 5905-GA-1 = CG; 5905-AR-1 = WA; 5905-IA-1 = DI; 5905-CA-1 = KC

SN 100103

NET CONTENTS: 50 LBS

MANUFACTURED FOR:

HELENA CHEMICAL COMPANY

225 SCHILLING BOULEVARD, SUITE 300

COLLIERVILLE, TENNESSEE 38017

NOTIFICATION

AUG 13 2010

PRECAUTIONARY STATEMENTS

Hazards to Humans (and Domestic Animals)

CAUTION

Causes moderate eye irritation. Avoid contact with eyes or clothing.

Personal Protective Equipment:

Applicators and other handlers must wear: long-sleeved shirt and long pants, waterproof gloves, and shoes plus socks. Follow 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. See other panels for additional precautionary statements.

Environmental Hazards

This pesticide is extremely toxic to fish and aquatic invertebrates. Use with care when applying in areas adjacent to any body of water. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not make applications when weather conditions favor drift from treated areas. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area.

The use of bifenthrin is prohibited in areas that may result in exposure of endangered species to bifenthrin. Prior to use in a particular county contact the local extension service for procedures and precautions to use to protect endangered species.

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.

PHYSICAL/CHEMICAL HAZARDS

Do not use or store near heat or open flame.

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, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to

SPECIMEN LABEL

your State or Tribe, consult the agency responsible for pesticide regulation.

GENERAL INFORMATION

EMPOWER²® GRANULAR INSECTICIDE contains the two active ingredients: bifenthrin and indole-3-butyric acid. **EMPOWER²®** gives broad spectrum, in-furrow insect control while providing earlier emergence for better stands, increased stronger, healthier root system, better stress resistance, and earlier reproductivity. **EMPOWER²®** has activity against corn rootworm larvae, wireworms, white grubs, seed corn maggots, as well as seed corn beetle.

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) and restricted-entry interval.

The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard. For applications to sites with restricted entry intervals (REIs) of 7 days or more, notify workers of applications by warning them orally and by posting warning signs at entrances of treated areas.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) listed in the chart below.

Crop	Activity	REI
Eggplant	All	9 days
Beans (for processing only)	All	24 hours
Beans (for fresh market)	All	9 days
Peas (for processing only)	All	24 hours
Peas (for fresh market)	All	9 days
Head Stem Brassica	All	5 days
Sweet Corn (for processing only)	All	24 hours
Sweet Corn (for fresh market)	All	18 days
Field Corn (Grown for seed)	Detasseling	18 days
Field Corn (Grown for seed)	Roguing	18 days
Field Corn (Grown for seed)	Other Activities	24 hours
Other Crops	All	24 hours

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

STORAGE AND DISPOSAL

PESTICIDE STORAGE

Do not store in or around the home.

Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place and avoid excess heat. Carefully open containers. After partial use, fold and roll back bags,

Disclaimer: Always refer to the label on the product before using Helena or any other product.
16June2010 revised storage & disposal

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clamp and close tightly. Do not put concentrate or dilute material into food or drink containers. Do not contaminate other pesticides, fertilizers, water, food, or feed by storage or disposal.

In case of spill, avoid contact, isolate area and keep out animals and unprotected persons. Confine spills. Call ChemTrec at 800-424-9300.

TO CONFINE SPILL: Cover to prevent dispersal. Place damaged package in a holding container. Identify contents.

PESTICIDE DISPOSAL

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL

Nonrefillable container. Do not refill or reuse this container. Offer for recycling if available.

REFILLABLE CONTAINER: Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

ROTATIONAL CROPS

Leafy vegetables and root crops may be rotated 30 days following the final application of bifenthrin. Crops for which bifenthrin tolerances exist may be rotated at any time. All other crops may be rotated seven months following the final application of bifenthrin. Straw may not be used for food or feed.

APPLICATION INSTRUCTIONS

Rate of application is variable according to pest pressure, timing of sprays, and field scouting. Use lower rates under light to moderate infestations; higher rates under heavy insect pressure and for mite control. Arid climates generally require higher rates.

Cultivation within 10 feet of a water body is prohibited to allow for the growth of a vegetated filter strip.

Runoff from treated areas may be hazardous to aquatic organisms in adjacent aquatic sites. Do not apply this product within 20 yards of water (lakes, reservoirs, rivers, permanent streams, marshes, estuaries, natural ponds, and commercial fish farm ponds.) Cover or incorporate spill (including end row spillage).

Use of EMPOWER²® is prohibited in all coastal counties.

In New York State this product may not be applied within 100 feet (using ground equipment) to 300 feet (using aerial equipment) of coastal marshes or streams that drain into coastal marshes.

SPECIMEN LABEL

RESISTANCE

Some insects are known to develop resistance to products used repeatedly for control. Because the development of resistance cannot be predicted, the use of this product should conform to resistance management strategies established for the use area. Consult your local or state agricultural authorities for details. If resistance to this product develops in your area, this product, or other products with a similar mode of action, may not provide adequate control. If poor performance cannot be attributed to improper application or extreme weather conditions, a resistant strain of insect may be present. If you experience difficulty with control and resistance is a reasonable cause, immediately consult your local company representative or agricultural advisor for the best alternative method of control for your area.

FIELD CORN (GRAIN, SILAGE, AND SEED), POPCORN (AT PLANT USE)

PEST	DOSAGE	REMARKS
Com Rootworm Larvae Northern Southern Western Cutworms Wireworms Seed Com Maggot Seed Com Beetle White Grubs	6.4 to 8.0 oz product (0.005 – 0.006 lb ai) per 1,000 linear feet of row	Apply as a 5 to 7 inch T-band treatment over an open seed furrow. Position in front of the press wheel centered over the row. Use the table below to determine the EMPOWER ² ® needs per acre. Use highest use rate under heavy insect pressure. Granules must be incorporated into the top one inch of soil using tines, chains or other suitable equipment. Do not apply as a T-band treatment unless you can incorporate the granules.
Cutworms Wireworms Seed Com Maggot Seed Com Beetle White Grubs	3.2 to 8.0 oz product (0.002 – 0.006 lb ai) per 1,000 linear feet of row	Apply as an in-furrow application directly into the seed furrow.
Rootworm Larvae	8.0 oz product (0.006 lb ai) per 1,000 linear feet of row	In-furrow for light to moderate pressure.

ounces product per 1000 linear feet of row	EMPOWER ² ® lbs product/acre (lbs ai/acre) based on row spacing					
	30"	32"	34"	36"	38"	40"
8.0	8.7 (0.100)	8.2 (0.094)	7.7 (0.088)	7.2 (0.083)	6.9 (0.079)	6.5 (0.075)
6.4	7.0 (0.080)	6.5 (0.075)	6.1 (0.071)	5.8 (0.067)	5.5 (0.063)	5.2 (0.060)
4.8	5.2 (0.060)	4.9 (0.056)	4.6 (0.053)	4.3 (0.050)	4.1 (0.047)	3.9 (0.045)
3.2	3.5 (0.040)	3.3 (0.038)	3.1 (0.035)	2.9 (0.033)	2.7 (0.032)	2.6 (0.030)

APPROXIMATE SETTINGS BASED ON SPEED – CALIBRATE FOR EXACT SETTINGS

Planter type	4mph		5mph		6mph		7mph		8mph	
	6.4oz	8.0oz	6.4oz	8.0oz	6.4oz	8.0oz	6.4oz	8.0oz	6.4oz	8.0oz
JD Max 7200-7300	17	20	20	26	22	30	26	35	30	40
JD Max 7000-7100 odd notch	11	14	13	16	15	18	17	19	19	21
JD Max 7000-7100 even notch	15	17	18	20	22	24	24	26	27	29
Kinze even notch	13	16	16	19	19	21	20	22	22	24
Kinze odd notch	11	13	13	15	15	17	17	19	19	21
White 6000 series	12	14	15	17	17	20	19	22	21	24
Case-IH 800-900 series	1/7	1/9	2/1	2/3	2/4	2/6	2/6	2/9	2/8	3/2

Always calibrate equipment prior to application each season to insure proper insecticide delivery.

Utilize initial settings from the chart below or for clay granule insecticide delivery in the appropriate planter guide booklet.

Steps for calibration:

1. Fill insecticide hopper box
2. Attach an EMPOWER²® calibration device to delivery tube opening
3. Set planter to initial setting
4. Measure off 1,000 row feet and drive your planter the pre-measured distance at your desired planting speed
5. Check the level in the calibration device and it should contain the number of ounces (3.2 – 8.0) required for your application
6. If a row is over or under the desired rate adjust the settings and repeat the calibration

FIELD CORN (GRAIN, SILAGE, AND SEED), POPCORN (FOLIAR USE)

PEST	DOSAGE lb product/acre (lb ai/a)	REMARKS
European corn borer (1 st generation) Fall armyworm Southwestern corn borer Armyworm	3.5 – 8.7 (0.04 – 0.10)	Apply as a broadcast application when insects first appear. Applications may be made by/with ground or aerial equipment. Use higher labeled use rates under heavy insect infestations. Apply by aircraft broadcasting over corn plants or with ground equipment by directing the granule into the whorl.

RESTRICTIONS—Corn

Do not apply to soil where there is greater than 30% cover of crop residue remaining.

Do not apply more than 0.1 pound active per acre per season as an at plant application.

Do not apply more than 0.3 pound active per acre per season including at plant plus foliar applications.

Do not apply within 30 days of harvest.

Do not graze livestock in treated areas or cut treated crops for feed within 30 days of the last application.

Do not make aerial or ground applications to corn if heavy rainfall is imminent.

SWEET CORN (AT PLANT USE)

PEST	DOSAGE	REMARKS
Com Rootworm Larvae Northern Southern Western Cutworms Wireworms Seed Com Maggot Seed Com Beetle White Grubs	6.4 to 8.0 oz product (0.005 – 0.006 lb ai) per 1,000 linear feet of row	Apply as a 5 to 7 inch T-band treatment over an open seed furrow. Position in front of the press wheel centered over the row. Use the table below to determine the EMPOWER ² ® needs per acre. Use highest use rate under heavy insect pressure. Granules must be incorporated into the top one inch of soil using tines, chains or other suitable equipment. Do not apply as a T-band treatment unless

SPECIMEN LABEL

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		you can incorporate the granules.
Cutworms Wireworms Seed Corn Maggot Seed Corn Beetle White Grubs	3.2 to 8.0 oz product (0.002 – 0.006 lb ai) per 1,000 linear feet of row	Apply as an in-furrow application directly into the seed furrow.
Rootworm Larvae	8.0 oz product (0.006 lb ai) per 1,000 linear feet of row	In-furrow for light to moderate pressure.

ounces product per 1000 linear feet of row	EMPOWER ² ® lbs product/acre (lbs ai/acre) based on row spacing					
	30"	32"	34"	36"	38"	40"
8.0	8.7 (0.100)	8.2 (0.094)	7.7 (0.088)	7.2 (0.083)	6.9 (0.079)	6.5 (0.075)
6.4	7.0 (0.080)	6.5 (0.075)	6.1 (0.071)	5.8 (0.067)	5.5 (0.063)	5.2 (0.060)
4.8	5.2 (0.060)	4.9 (0.056)	4.6 (0.053)	4.3 (0.050)	4.1 (0.047)	3.9 (0.045)
3.2	3.5 (0.040)	3.3 (0.038)	3.1 (0.035)	2.9 (0.033)	2.7 (0.032)	2.6 (0.030)

APPROXIMATE SETTINGS BASED ON SPEED – CALIBRATE FOR EXACT SETTINGS

Planter type	4mph		5mph		6mph		7mph		8mph	
	6.4oz	8.0oz	6.4oz	8.0oz	6.4oz	8.0oz	6.4oz	8.0oz	6.4oz	8.0oz
JD Max 7200-7300	17	20	20	26	22	30	26	35	30	40
JD Max 7000-7100 odd notch	11	14	13	16	15	18	17	19	19	21
JD Max 7000-7100 even notch	15	17	18	20	22	24	24	26	27	29
Kinze even notch	13	16	16	19	19	21	20	22	22	24
Kinze odd notch	11	13	13	15	15	17	17	19	19	21
White 6000 series	12	14	15	17	17	20	19	22	21	24
Case-IH 800-900 series	1/7	1/9	2/1	2/3	2/4	2/6	2/6	2/9	2/8	3/2

Always calibrate equipment prior to application each season to insure proper insecticide delivery.

Utilize initial settings from the chart below or for clay granule insecticide delivery in the appropriate planter guide booklet.

Steps for calibration:

1. Fill insecticide hopper box
2. Attach an EMPOWER²® calibration device to delivery tube opening
3. Set planter to initial setting
4. Measure off 1,000 row feet and drive your planter the pre-measured distance at your desired planting speed
5. Check the level in the calibration device and it should contain the number of ounces (3.2 – 8.0) required for your application
6. If a row is over or under the desired rate adjust the settings and repeat the calibration

SWEET CORN (FOLIAR USE)

PEST	DOSAGE lb product/acre (lb ai/a)	REMARKS
European corn borer (1 st generation) Fall armyworm Southwestern corn borer Armyworm	3.5 – 8.7 (0.04 – 0.10)	Apply as a broadcast application when insects first appear. Applications may be made by/with ground or aerial equipment. Use higher labeled use rates under heavy insect infestations. Apply by aircraft broadcasting over corn plants or with ground equipment by directing the granule into the whorl.

RESTRICTIONS—Corn

Do not apply more than 0.2 pounds active ingredient per acre per season.

Do not apply within one day of harvest.

Do not graze livestock in treated areas or cut treated crops for feed within 1 day of the last application.

Do not apply within 18 days of harvest for corn that is hand harvested.

Do not make aerial or ground applications to corn if heavy rainfall is imminent.

CUCURBITS:

Chayote (fruit); Chinese waxgourd (Chinese preserving melon); Citron melon; Cucumber; Gherkin; Gourd, edible (includes hyotan, cucuzza) (Luffa spp.) (includes hechima, Chinese okra) (Momordica spp.) (includes balsam apple, balsam pear, bitter melon, Chinese cucumber); Muskmelon (hybrids and/or cultivars of Cucumis melo) (includes true cantaloupe, cantaloupe, casaba, crenshaw melon, golden pershaw melon, honeydew melon, honey balls, mango melon, Persian melon, pineapple melon, Santa Claus melon, and snake melon); Pumpkin (Cucurbita spp.); Squash, summer (includes crookneck squash, scallop squash, straightneck squash, vegetable marrow, zucchini); Squash, winter (includes butternut squash, calabaza, hubbard squash (C. mixta; C pepo), acorn squash, spaghetti squash); Watermelon (includes hybrids and/or varieties of Citrullus spp.).

PEST	DOSAGE lb product/acre (lb ai/a)	REMARKS
Wireworms Grubs Seed Maggots Cutworms	3.5 – 8.7 (0.04 – 0.10)	Make application of EMPOWER ² ® as soon as pests are present. Thorough coverage is essential to achieve control.

RESTRICTIONS

Do not apply more than 0.3 lb. active ingredient per acre per season.

Do not make more than two applications after bloom.

Do not make applications less than 7 days apart.

Do not apply within 3 days of harvest.

SUCCULENT PEAS AND BEANS:

Pea (Pisum spp.): Dwarf pea, Edible-pod pea, English pea, Garden pea, Green pea, Snow pea, Sugar snap pea, Pigeon pea; Bean (Phaseolus spp.): Broadbean (succulent), Lima bean (green), Runner bean, Snap bean, Wax bean; Bean (Vigna spp.): Asparagus bean, Blackeyed pea, Chinese longbean, Cowpea, Moth bean, Southern pea, Yardlong bean, Jackbean, Soybean (immature seed), Sword bean.

PEST	DOSAGE lb product/acre (lb ai/a)	REMARKS
Wireworms Grubs Seed Maggots	3.5 – 8.7 (0.04 – 0.10)	Make application of EMPOWER ² ® as soon as pests are present.

Disclaimer: Always refer to the label on the product before using Helena or any other product.
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Cutworms		Thorough coverage is essential to achieve control.
RESTRICTIONS		
Do not apply more than 0.2 lb. active ingredient per acre per season.		
Do not apply within 3 days of harvest. Do not apply within 9 days of harvest for peas/beans that are hand harvested.		

BRASSICAS:
 Head and Stem Brassica Vegetables including: Broccoli, Chinese Broccoli (gai lon, white flowering broccoli), Brussels Sprouts, Cauliflower, Kohlrabi, Cabbage, Chinese Cabbage (napa, Chinese Mustard Cabbage (gai choy).

PEST	DOSAGE lb product/acre (lb ai/a)	REMARKS
Wireworms Grubs Seed Maggots Cutworms	3.5 – 8.7 (0.04 – 0.10)	Make application of EMPOWER ² ® as soon as pests are present. Thorough coverage is essential to achieve control.

RESTRICTIONS
 Do not apply more than 0.5 lb. active ingredient per acre per season.

Do not make more than 5 applications after bloom.

Do not make applications less than 7 days apart.

Do not apply within 7 days of harvest.

LETTUCE, HEAD:

PEST	DOSAGE lb product/acre (lb ai/a)	REMARKS
Wireworms Grubs Seed Maggots Cutworms	3.5 – 8.7 (0.04 – 0.10)	Make application of EMPOWER ² ® as soon as pests are present. Thorough coverage is essential to achieve control.

RESTRICTIONS
 Do not make applications less than 7 days apart.

Do not apply more than 0.20 pound active ingredient per acre per season.

Do not apply within 7 days of harvest.

EGGPLANT:

PEST	DOSAGE lb product/acre (lb ai/a)	REMARKS
Wireworms Grubs Seed Maggots Cutworms	3.5 – 8.7 (0.04 – 0.10)	Make application of EMPOWER ² ® as soon as pests are present. Thorough coverage is essential to achieve control.

RESTRICTIONS
 Do not make applications less than 9 days apart.

Do not apply more than 0.2 lb active ingredient per acre per season.

Do not apply within 9 days of harvest.

COTTON:

PEST	DOSAGE lb product/acre (lb ai/a)	REMARKS
Wireworms Grubs Seed Maggots Cutworms	3.5 – 8.7 (0.04 – 0.10)	Make application of EMPOWER ² ® as soon as pests are present. Thorough coverage is essential to achieve control.

RESTRICTIONS
 Do not apply more than 0.5 pound active ingredient per acre per season.

Do not apply within 14 days of harvest.

Do not graze livestock in treated areas or cut treated crops for feed.

Do not make more than 10 synthetic pyrethroid applications (of one product or combination of products) to a cotton crop in one growing season. Synthetic pyrethroid products include Ambush®, Ammo®, Asana® XL, Baythroid®, Capture®, Danitol®, Karate®, Mustang®, and Scout X-TRA®.

This product is not for sale or use in the State of California.

PEPPERS, BELL AND NON-BELL:

PEST	DOSAGE lb product/acre (lb ai/a)	REMARKS
Wireworms Grubs Seed Maggots Cutworms	3.5 – 8.7 (0.04 – 0.10)	Make application of EMPOWER ² ® as soon as pests are present. Thorough coverage is essential to achieve control.

RESTRICTIONS
 Do not make applications less than 7 days apart.

Do not apply more than 0.20 pound active ingredient per acre per season.

Do not apply within 9 days of harvest.

CANOLA, CRAMBE, RAPESEED:

PEST	DOSAGE lb product/acre (lb ai/a)	REMARKS
Wireworms Grubs Seed Maggots Cutworms	2.7 – 3.5 (0.033 – 0.04)	Make application of EMPOWER ² ® as soon as pests are present. Thorough coverage is essential to achieve control.

10/10

SPECIMEN LABEL

RESTRICTIONS

Do not apply more than 0.08 lb. active ingredient per acre per season.

Do not make applications less than 14 days apart.

Do not apply within 35 days of harvest.

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.

The directions on this label are believed to be reliable and should be followed carefully. Insufficient control of pests and/or 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 Chemical Company (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 in the directions for use 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 Chemical Company'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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