SUPPLEMENTAL LABELING

DUPONT™ HARMONY® EXTRA XP HERBICIDE
EPA REGISTRATION NO. 352-611

PREPLANT APPLICATION FOR BROADLEAF WEED AND WILD GARLIC CONTROL PRIOR TO PLANTING CORN, COTTON, RICE, GRAIN SORGHUM OR SOYBEANS

GENERAL INFORMATION
HARMONY® EXTRA provides postemergence activity for short term control or partial control of labeled weeds. Degree of control and duration of effect are dependent on rate used, sensitivity and size of target weed, environmental conditions at the time of and following application, and spray coverage.

Best results are obtained when HARMONY® EXTRA is applied to young, actively growing weeds. The use rate will depend on weed spectrum and size of weed at time of application. However, typical symptoms of dying weeds (discoloration) may not be noticeable for 1-3 weeks after application (2-5 weeks for wild garlic) depending on the environmental conditions and weed susceptibility. Warm, moist conditions following treatment promote the activity of HARMONY® EXTRA while cold, dry conditions delay the activity. Weeds hardened off by cold weather, drought stress or too wet conditions will be less susceptible.

Some naturally-occurring weed biotypes* resistant to this product are known to exist. If weeds listed on this label are not satisfactorily controlled, respray problem areas in a timely and effective manner using a broadleaf herbicide having a different mode of action.

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Weeds Controlled at 0.5 - 0.6 ounce per acre:

- Annual knawel
- Annual sowthistle
- Black mustard
- Blue/Purple mustard
- Broadleaf dock
- Bur buttercup
- Bury wallflower/Treacle mustard
- Clasping pepperweed
- Coast fiddleneck
- Common backwheat
- Common chickweed
- Common groundsel
- Common lambquarters
- Common radish
- Common sunflower
- Corn chamomile
- Corn spurry
- Cowcockle
- Cress (mouse-ear)
- Curly dock
- False chamomile
- Field chickweed
- Field pennycress
- Filarce (redstem, Texas)
- Flixweed
- Green smartweed
- Henbit
- Kochia
- Ladysthumb
- London rocket
- Marshelder
- Mayweed chamomile
- Miners lettuce
- Narrowleaf lambquarters
- Nightflowering catchfly
- Pennsylvaniana smartweed
- Pineapple weed
- Prickly lettuce
- Prostrate knotweed
- Prostrate pigweed
- Rednails
- Redroot pigweed
- Russian thistle
- Scentless chamomile/mayweed
- Shepherd's-purse
- Silene/lanccolbarnesquers
- Smallflower buttercup
- Smallweed falseflox
- Stinking chickweed
- Stinking mayweed/Dogfennel
- Swinecres
- Tansy
- Turf evil fiddleneck
- Turnip Jim hill mustard
- Volunteer lentils
- Volunteer peas
- Volunteer sunflower
- Wild chamomile
- Wild garlic*
- Wild mustard
- Wild radish*

**Partial control: A visual reduction of weed population as well as a significant loss of vigor for individual weed plants.

TANK MIXTURES

HARMONY® EXTRA may be tank mixed with other suitable registered herbicides for use as preplant applications to control weeds listed in Partial Control Table or other weeds that those listed in the Weeds Controlled Table. Read and follow all manufacturer’s label recommendations for the companion herbicide. If these recommendations conflict with this HARMONY® EXTRA label or other supplemental HARMONY® EXTRA labels, do not use as a tank mix with HARMONY® EXTRA.

SPRAY PREPARATION, ADDITIVES, SPRAY EQUIPMENT, SPRAY VOLUMES AND ADJUVANTS

Spray Preparation: Mix the proper amount of HARMONY® EXTRA into the necessary volume of water in the spray tank with the agitation running, then add the companion herbicide to the tank after all the HARMONY® EXTRA is in suspension. ALWAYS MIX HARMONY® EXTRA IN WATER FIRST PRIOR TO ADDING OTHER PRODUCTS IN THE SAME SPRAY TANK. Continuous agitation is required to keep HARMONY® EXTRA in suspension.

Use the spray preparation of HARMONY® EXTRA within 24 hours as product degradation may occur. If spray preparation is left standing, thoroughly agitate before reusing.

Additives: Do not use with spray additives that alter the pH of the spray solution below pH 5.0 or above pH 9.0, as rapid product degradation can occur. Spray solutions of pH 6.0-8.0 allow for optimum stability of HARMONY® EXTRA.

Spray Equipment: It is important that spray equipment is cleaned and free of existing pesticide deposits before using HARMONY® EXTRA. Follow the cleanup procedures specified on the label of the product previously sprayed. If no procedure is provided, follow this cleanup procedure for all application equipment.

1. Thoroughly rinse sprayer, tanks, boom, and hoses with clean water. Loosen and physically remove any visible deposits.

2. Partially fill the tank with water and add ammonia (1 gallon of 3% (household) ammonia per 100-gallons of tank volume) or a tank cleaner* (follow individual label instructions for amount of tank cleaner to use). Complete filling the tank and flush the cleaning solution through the boom and hoses. Let stand for 15 minutes with agitation recirculation and then drain the tank after flushing the hoses, boom and nozzles.

3. Thoroughly rinse sprayer, tanks, boom, and hoses with clean water.

4. Follow label directions of the product previously sprayed for rinseout disposal.

*See listing of DuPont approved tank cleaners under SPRAYER CLEANUP section of the label.

NOTE: A steam cleaning of aerial spray tanks is recommended to dislodge any visible pesticide deposits. Refer to specific manufacturer’s recommendations for additional information on GPA, pressure, speed, nozzle types and arrangements, nozzle heights above the target canopy, etc., for respective application equipment. Apply using properly calibrated air or ground equipment. Select a spray volume and delivery system that will insure thorough coverage and a uniform spray pattern. Avoid overlapping (unless otherwise specified), and shut off spray booms while starting, turning, slowing or stopping, or injury to the crop may result.

Do not use equipment and/or spray volumes that will cause spray to drift onto nontarget sites. Do not make applications during weather conditions which cause spray to drift onto nontarget sites.
Do not apply this product through any type of irrigation system.

Ground Application: For optimum spray distribution and thorough coverage, use flat fan or low volume flood nozzles. For flat fan nozzles, do not use less than 10-gallon spray volume per acre (GPA).

For flood nozzles on 30-inch spacing, use not less than 10 GPA and no larger than TK10 or equivalent and not less than 30 psi. On 40-inch nozzle spacings, use not less than 13 GPA or not less than 20 GPA when nozzles are on a 60-inch spacing. 100% overlapping of nozzle spray pattern is essential for 30, 40 and 60-inch spacings.

Raindrop RA nozzle are not recommended for HARMONY® EXTRA applications as weed control performance may be reduced.

Use 50-mesh screens or larger.

Aerial Application: Use nozzle types and arrangements that will provide for optimum spray distribution and maximum coverage at 3 GPA. Do not apply during inversion conditions, when winds are gusty, or when other conditions will favor poor coverage and/or off-target spray movement.

Adjuvants: Preplant applications of HARMONY® EXTRA must include a crop oil concentrate (coc) at 1% v/v (1 qt/100 gal of spray solution) or a nonionic surfactant at 0.25% v/v (1 qt/100 gal of spray solution). The crop oil concentrate used must be cleared for food use. COC should be a petroleum based product with a minimum of 15% emulsifiers/surfactants. Nonionic surfactants must contain at least 80% active ingredients.

SPRAYER CLEANUP
At The End Of The Day

It is recommended that during periods when multiple loads of HARMONY® EXTRA herbicide will be applied, at the end of each day of spraying rinse the interior of the tank with fresh water, then partially fill the tank and flush the boom and hoses. This will prevent the buildup of dried pesticide deposits which can accumulate in the application equipment.

After Spraying HARMONY® EXTRA and Before Spraying Crops Other Than Wheat or Barley:

To avoid subsequent injury to desirable crops, thoroughly clean all mixing and spray equipment immediately following applications of HARMONY® EXTRA as follows:

1. Drain tank; thoroughly rinse spray tanks, boom, and hoses with clean water. Loosen and physically remove any visible deposits.

2. Fill the tank with clean water and one gallon of household ammonia* (contains 3% active) for every 100 gallons of water. Flush the hoses, boom and nozzles with the cleaning solution. Then add more water to completely fill the tank. Circulate the cleaning solution through the tank and hoses for at least 15 minutes. Again flush the hoses, boom and nozzles with the cleaning solution and then drain the tank.

3. Remove the nozzles and screens and clean separately in a bucket containing cleaning agent and water.

4. Repeat step 2.

5. Rinse the tank, boom and hoses with clean water.

6. The rinsate may be disposed of on site or at an approved waste disposal facility.

*Equivalent amounts of an alternate strength ammonia solution or a DuPont approved cleaner (listed below) can be used in the cleanout procedure. Carefully read and follow the individual cleaner instructions.

DuPont Approved Cleaners:
- Protan Cleaner—Manufactured for Cenex/Land O'Lakes Agronomy Co.
- Chem-Tank Cleaner & Neutralizer—Manufactured by Farmbilt Chem, Inc.
- Incide-Out
- Nutro-Sol—Compounded for Thomas G. Kilfoil Co., Inc., San Bruno, CA
- Tank and Equipment Cleaner—Manufactured by Loveland Industries, Inc.
- Tank-Aid—Manufactured for Combelt Chemical Company

Notes:
1. A steam cleaning of aerial spray tanks is recommended prior to performing the above cleanout procedure to facilitate the removal of any caked deposits.
2. When HARMONY® EXTRA is tank mixed with other pesticides, all cleanout procedures should be examined and the most rigorous procedure should be followed.
3. In addition to this cleanout procedure, all precleanout guidelines on subsequently applied products should be followed as per the individual labels.
4. Where routine spraying practices include shared equipment frequently being switched between applications of HARMONY® EXTRA and applications to sensitive crops during the same spray season, it is recommended a sprayer be dedicated to HARMONY® EXTRA to further reduce the chance of crop injury.
5. Since the presence of tank-mix partners can interfere with the dispersion of HARMONY® EXTRA, when multiple tank loads of the same mix are being prepared, presprayer HARMONY® EXTRA in a dedicated container of clean water prior to adding to the tank.

PRECAUTIONS

The total rate of HARMONY® EXTRA cannot exceed 1.0 ounce product per acre applied during one fallow cropland season.

Do not plant to any crop for 60 days after application of HARMONY® EXTRA except for corn, cotton, rice, grain sorghum or soybeans which can be planted 45 days after an application of HARMONY® EXTRA. If a tank mix treatment is applied, follow the most restrictive crop rotation guidelines of the products used.

For ground applications applied to weeds when dry, dusty field conditions exist, control of weeds in wheel track areas may be reduced.

IMPORTANT

BEFORE USING HARMONY® EXTRA, READ AND FOLLOW ALL APPLICABLE DIRECTIONS, RESTRICTIONS AND PRECAUTIONS ON THE EPA-REGISTERED LABEL.

This bulletin contains new or supplemental instructions for use of this product which do not appear on the EPA-registered package label. Follow the instructions carefully.

This labeling must be in the possession of the user at the time of pesticide application.

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1 Delavan Corporation
2 Precision Laboratories, Inc.

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