

VOLUNTEER™

herbicide

TENKOZ

Active Ingredient By Wt.
*Clethodim..... 26.4%
Other Ingredients 73.6%
Contains Petroleum Distillates
*(E)-2-[1-[[[(3-chloro-2-propenyl)oxy]imino]propyl]-5-[2-(ethylthio)propyl]-3-hydroxy-2-cyclohexen-1-one
Contains 2.0 lbs. clethodim per gal.

KEEP OUT OF REACH OF CHILDREN

WARNING - 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 & DOMESTIC ANIMALS

WARNING

Causes substantial but temporary eye irritation. Avoid contact with skin. Do not get in eyes, on skin or on clothing. Harmful if swallowed or inhaled. Avoid breathing vapors or spray mist. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

FIRST AID

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 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 further treatment advice.

If swallowed: Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give **any** liquid to the person. Do not give anything by mouth to an unconscious person.

(Continued)

FIRST AID (Continued)

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.

HOT LINE 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 **1-800-892-0099** for emergency medical treatment information.

NOTE TO PHYSICIANS

Ingestion of this product or subsequent vomiting can result in aspiration of light hydrocarbon liquid, which can cause pneumonitis. If ingested, probable mucosal damage may contraindicate the use of gastric lavage.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category G on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear: long-sleeved shirt and long pants, chemical-resistant gloves such as Barrier Laminate or Viton \geq 14 mils, shoes plus socks and protective eyewear.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. 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.

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.

ENVIRONMENTAL HAZARDS

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 apply where runoff is likely to occur. Do not apply where weather conditions favor drift from areas treated. Do not contaminate water when disposing of equipment washwater or rinsate.

The use of this product may pose a hazard to the federally designated endangered species of Solano Grass and Wild Rice. Use of this product is prohibited in the following areas where the species are known to exist:

Solano Grass: Solano County, California: the vernal lakes area bounded by the Union Pacific Railroad and Hastings Road to the north, Highway 113 to the east, Highway 12 to the south, and Travis Air Force Base to the west.

Wild Rice: Hays County, Texas.

PHYSICAL OR 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.

READ ENTIRE LABEL AND PAMPHLET. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

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

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.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 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, chemical-resistant gloves, such as Barrier Laminate or Viton \geq 14 mils, shoes plus socks and protective eyewear.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are **NOT** within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses.

Keep all unprotected persons out of operating areas, or vicinity where there may be drift. Do not enter treated areas without protective clothing until sprays have dried.

DISCLAIMER, RISKS OF USING THIS PRODUCT, LIMITED WARRANTY AND LIMITATION OF LIABILITY

IMPORTANT: Read the entire Label including this Disclaimer, Risks of Using This Product, Limited Warranty and Limitation of Liability before using this product. If the terms are not acceptable THEN DO NOT USE THE PRODUCT; rather return the unopened product within 15 days of purchase for a refund of the purchase price.

RISKS OF USING THIS PRODUCT

The Buyer and User (referred to collectively herein as "Buyer") of this product should be aware that there are inherent unintended risks associated with the use of this product which are impossible to eliminate. These risks include, but are not limited to, injury to plants and crops to which this product is applied, lack of control of the target pests or weeds, resistance of the target pest or weeds to this product, injury caused by drift, and injury to rotational crops caused by carryover in the soil.

(Continued)

RISKS OF USING THIS PRODUCT, Continued

Such risks of crop injury, non-performance, resistance or other unintended consequences are unavoidable and may result because of such factors as weather, soil conditions, disease, moisture conditions, irrigation practices, condition of the crop at the time of application, presence of other materials either applied in the tank mix with this product or prior to application of this product, cultural practices or the manner of use or application, (or a combination of such factors) all of which are factors beyond the control of Tenkoz. The Buyer should be aware that these inherent unintended risks may reduce the harvested yield of the crop in all or a portion of the treated acreage, or otherwise affect the crop such that additional care, treatment and expense are required to take the crop to harvest. If the Buyer chooses not to accept these risks, THEN THIS PRODUCT SHOULD NOT BE APPLIED. By applying this product Buyer acknowledges and accepts these inherent unintended risks AND AGREES THAT ALL SUCH RISKS ASSOCIATED WITH THE APPLICATION AND USE ARE ASSUMED BY THE BUYER.

Tenkoz shall not be responsible for losses or damages (including, but not limited to, loss of yield, increased expenses of farming the crop or such incidental, consequential or special damages that may be claimed) resulting from use of this product in any manner not set forth on the label. Buyer assumes all risks associated with the use of this product in any manner or under conditions not specifically directed or approved on the label.

LIMITED WARRANTY

Tenkoz warrants only that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the label, under average use conditions, when used strictly in accordance with the label and subject to the Risks of Using This Product as described above. EXCEPT AS SET FORTH ABOVE, TENKOZ MAKES NO OTHER WARRANTIES, EITHER EXPRESS OR IMPLIED. No agent or representative of Tenkoz or Seller is authorized to make or create any other express or implied warranty.

LIMITATION OF LIABILITY

In no event shall Tenkoz or Seller be liable for any incidental, consequential, indirect or special damages resulting from the use or handling of this product. The limitation includes, but is not limited to, loss of yield on all or any portion of the treated acreage, increased care, treatment or other expenses required to take the crop to harvest, increased finance charges or altered finance ratings, emotional or mental distress and/or exemplary damages. THE EXCLUSIVE REMEDY OF THE BUYER, AND THE EXCLUSIVE MAXIMUM LIABILITY OF TENKOZ OR SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT SHALL BE THE RETURN OF THE PURCHASE PRICE OF THIS PRODUCT OR, AT THE ELECTION OF TENKOZ OR SELLER, THE REPLACEMENT OF THE PRODUCT.

(Continued)

**DISCLAIMER, RISKS OF USING THIS PRODUCT,
LIMITED WARRANTY
AND LIMITATION OF LIABILITY, Continued**

PROMPT NOTICE OF CLAIM

Tenkoz must be provided notice as soon as Buyer has reason to believe it may have a claim, but in no event later than twenty-one days from date of planting, or twenty-one days from the date of application, whichever is latter, so that an immediate inspection of the affected property and growing crops can be made.

If Buyer does not notify Tenkoz of any claims, in such period, it shall be barred from obtaining any remedy.

NO AMENDMENTS

Tenkoz and Seller offer this product, and Buyer accepts it, subject to the foregoing **Disclaimer, Risks of Using This Product, Limited Warranty and Limitation of Liability**, which may not be modified by any oral or written agreement.

TANK MIXES

NOTICE: Tank mixing or use of this product with any other product which is not specifically and expressly authorized by the label shall be the exclusive risk of user, applicator and/or application advisor.

Read and follow the entire label of each product to be used in the tank mix with this product.

CHEMIGATION

May be applied to onions (dry bulbs) and garlic by sprinkler irrigation systems. Do not apply by chemigation to any other crop, or to this crop using any other type of irrigation system.

GENERAL INFORMATION

FOR USE ON:

Soybeans, Cotton, Sugar Beets, Onions (dry bulbs), Garlic, Shallots (dry bulbs), Alfalfa, Peanuts, Dry Beans, Sunflower, Canola, Flax, Mustard Seed, Potato, Sweet Potato, Yam (and other Tuberous⁽¹⁾ and Corm⁽¹⁾ Vegetables), Tomatoes, Peppers (bell and non-bell), Eggplants (and other Fruiting Vegetables), Carrot, Radish, Garden Beet, Horseradish (and other Root Vegetables⁽²⁾), Leaf Lettuce, Broccoli, Cabbage, Cauliflower (and other Head and Stem Brassica Vegetables⁽³⁾), Mustard Greens (and other Leafy Brassica Greens⁽⁴⁾), Spinach, Celery, Rhubarb (and other Leaf Petioles⁽⁵⁾), Cranberry, Strawberry, Squash (including Pumpkins), Cucumber, Melons (including Cantaloupes and Watermelons), Clover (grown in Idaho, Oregon and Washington only), Non-Bearing Food Crops, Fallow Land (and other non-producing agricultural areas) and Non-Crop or Non-Planted Areas.

1. Other tuber and corm vegetables approved for use with VOLUNTEER Herbicide include: arracacha, arrowroot, Chinese artichoke, Jerusalem artichoke, edible burdock, edible canna, bitter and sweet cassava, chayote (root), chufa, dasheen (taro), ginger, leren, tanier, turmeric and bean yam.
2. Other root vegetables approved for use with VOLUNTEER Herbicide include: burdock, edible; celeriac; chervil, turnip-rooted; chicory; ginseng; parsley, turnip-rooted; parsnip; radish, oriental; rutabaga; salsify; salsify, black; salsify, Spanish; skirret and turnip.
- (3) Other head and stem brassica vegetables approved include: Chinese broccoli, Brussels sprouts, Chinese (napa) cabbage, Chinese mustard, cavalo broccoli and kohlrabi.

- (4) Other leafy brassica greens approved for use with VOLUNTEER Herbicide include broccoli raab; cabbage, Chinese (bok choy); collards; kale; mustard greens; mustard spinach; rape greens and turnip greens.

5. Other leaf petiole crops include: cardoon, Chinese celery, celtuce, Florence fennel and swiss chard.

VOLUNTEER Herbicide is not recommended for use on vegetable crops being grown for seed production unless specific use directions are provided.

VOLUNTEER Herbicide is a selective postemergence herbicide for control of annual and perennial grasses. VOLUNTEER Herbicide does not control sedges or broadleaf weeds.

Repeated use of VOLUNTEER Herbicide (or similar postemergence grass herbicides with the same mode of action) may lead to the selection of naturally occurring biotypes that are resistant to these products in some grass species.

If poor performance occurs and cannot be attributed to adverse weather or applications conditions, a resistant biotype may be present. This is most likely to occur in fields where other control strategies such as crop rotation, mechanical removal, and other classes of herbicides are not used from year to year.

Do not allow VOLUNTEER Herbicide to come in contact with desirable grass crops such as corn, rice, sorghum, small grains or turf, as these and other grass crops will be injured or killed.

Minor leaf spotting may occur on treated plants under certain environmental conditions. New foliage is not affected.

Control Symptoms

Treated grass weeds show a reduction in vigor and growth. Early chlorosis/necrosis of younger plant tissue is followed by a progressive collapse of the remaining foliage. Symptoms will generally be observed in 7 to 14 days depending on grass species treated and environmental conditions.

APPLICATION INFORMATION

Timing of Applications

Apply VOLUNTEER Herbicide postemergence to actively growing grasses according to rate table recommendations. Applications made to grass plants stressed by insufficient moisture or cold temperatures, or to grass plants exceeding recommended growth stages may result in unsatisfactory control. Do not apply under these conditions.

In arid regions where irrigation is used to supplement limited rainfall, VOLUNTEER Herbicide should be applied as soon as possible after an irrigation (within 7 days). In arid regions, a second application of VOLUNTEER Herbicide will generally provide more effective control of perennial grass weeds than a single application. Make second application to actively growing grass 2 to 3 weeks after emergence of new growth.

Cultivation of treated grasses 7 days prior to or within 7 days after application of VOLUNTEER Herbicide may reduce weed control. DO NOT APPLY VOLUNTEER Herbicide if rainfall is expected within one hour, since control may be reduced.

**ADDITION OF ADJUVANT OR CROP OIL
CONCENTRATE**

CROP	ADJUVANT RECOMMENDATIONS
Soybeans, Alfalfa, Dry Bean, Cotton, Peanuts, Sugar Beet, Sunflower, Potatoes	Always use a crop oil concentrate* at 1.0 qt./A by ground or 1% v/v (but not less than 1 pt./A) in the finished spray volume by air. 1 to 2 qts./A of liquid fertilizer (10-34-0, 28%N or 32%N), or an equivalent amount (2.5 to 4.0 lbs./A) of spray grade ammonium sulfate (AMS) may be added to VOLUNTEER Herbicide applications, in addition to the recommended rate of crop oil concentrate. The addition of AMS has shown improved grass control for difficult to control species including: quackgrass, Rhizome johnsongrass, red rice, wild oats, volunteer cereals and volunteer corn.
Onions (dry bulbs), Garlic, Shallots (dry bulbs), Carrot, Radish, Garden Beet, Horseradish (and other Root Vegetables), Leaf Lettuce, Broccoli, Cabbage, Cauliflower (and other Head and Stem Brassica Vegetables), Mustard Greens (and other Leafy Brassica Greens), Spinach, Celery, Rhubarb (and other Leaf Petioles), Cranberry, Sweet Potatoes, Yams (and other tuberous and corm vegetables), Canola, Flax, Mustard Seed, Tomatoes, Peppers (bell and non-bell), Eggplants (and other Fruiting Vegetables), Strawberry, Squash (including Pumpkins), Cucumber, Melons (including Cantaloupes and Watermelons), Mint and Clover	Always use a crop oil concentrate at 1% v/v in the finished spray volume unless tank mix instructions indicate otherwise. Addition of fertilizer is not recommended for these crops.
Non-Bearing Food Crops	Add a non-ionic surfactant containing at least 80% active ingredient at the rate of 1 pt. per 50 gals. (0.25% v/v). Use of crop oil concentrate is not recommended since it may injure flowers and foliage.
Fallow Land (and other non-producing agricultural areas)	Always use a crop oil concentrate containing at least 15% emulsifier at 1% v/v (but not less than 1 pt./A) in the finished volume.

(Continued)

**ADDITION OF ADJUVANT OR CROP OIL
CONCENTRATE (Continued)**

* Acceptable crop oil concentrates would be those which contain a minimum of 80% oils and 15% emulsifier. A crop oil concentrate must contain either a petroleum or vegetable oil base and must meet all the following criteria: be non-phytotoxic, contain only EPA-exempt ingredients, provide good mixing quality and be successful in local experience. Highly refined vegetable oils have proven more satisfactory than unrefined vegetable oils.

Ground Application

Use of sufficient spray volumes and pressure is essential to ensure complete coverage. Use a minimum of 5 gals. and a maximum of 40 gals. of spray solution per acre. Under the following conditions a minimum of 10 gals. per acre is required: narrow row soybeans, broadleaf herbicide tank mixes, perennial grasses, volunteer corn, drought or stress conditions, heavy grass pressure or when grasses are at or near maximum height. Failure to use a minimum of 10 gals. per acre under these conditions can result in poor coverage and reduced grass control requiring repeat applications. Spray pressures should reflect a minimum of 30 psi and a maximum of 60 psi at the nozzle. Do not use flood nozzles.

Applications to onions (dry bulbs), garlic and shallots (dry bulbs) should be made in a minimum of 20 gals. of spray solution per acre.

Air Application

Use a minimum of 3 gals. of spray solution per acre. Increase spray volumes up to 10 gals. as grass or crop foliage becomes dense. For onions (dry bulbs), garlic or shallots (dry bulbs): When applying by air do not exceed 8 fl. oz./A in a single application.

In California air applications to onions, garlic or shallots should be made in a minimum of 20 gals. of spray solution per acre.

NOTE: Crop injury may occur when VOLUNTEER Herbicide is applied to onions, garlic or shallots with aerial equipment.

Spot Treatment

When using hand sprayers or high volume sprayers utilizing hand guns, mix 1/4% to 1/2% (0.33 oz. to 0.65 oz. per gal.) VOLUNTEER Herbicide and treat to wet vegetation, while not allowing runoff of spray solution. For uses requiring crop oil concentrate, include crop oil concentrate at 1% (1.3 oz. per gal.) by volume. For uses requiring non-ionic surfactant, include non-ionic surfactant at 1/4% (0.33 oz. per gal.) by volume.

NOTE: If VOLUNTEER Herbicide is applied as a spot treatment, care should be taken to not exceed the maximum rate allowed on a "per acre" basis or crop injury may occur.

**CHEMIGATION - ONION (DRY BULBS) AND
GARLIC SPRINKLER IRRIGATION
APPLICATION**

Apply VOLUNTEER Herbicide at the high rate recommended for annual grasses (16 fl. oz. per acre) when the grass height is at the low end of the range (application to larger grasses may not provide adequate control). Add a crop oil concentrate containing at least 15% emulsifier at 1 quart per acre.

Apply VOLUNTEER Herbicide in 0.1 to 0.2 acre-inch of water either at the end of a regular irrigation set or as a separate application not associated with a regular irrigation

using the least amount of water that provides proper distribution and coverage. Application of more than label recommended quantities of irrigation water per acre may result in decreased product performance by removing the chemical from the zone of effectiveness.

Use a metering device to inject the VOLUNTEER Herbicide into the irrigation water at a constant flow. Constant agitation must be maintained in the chemical supply tank during the entire period of herbicide application. Inject the product with a positive displacement pump into the main line ahead of a right angle turn to ensure adequate mixing. Allow time for all lines to flush the herbicide through all nozzles before turning off irrigation water. To ensure the lines are flushed and free of remaining herbicide, a dye indicator may be injected into the lines to mark the end of the application period.

It is not recommended that VOLUNTEER Herbicide be applied through an irrigation system connected to a public water system. Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.

Use Precautions

1. Apply this product only through sprinkler irrigation systems including center pivot, lateral move, end tow, side (wheel) roll, travelers, big gun, solid set or hand move. Do not apply this product through any other type of irrigation system.
2. Crop injury, lack of effectiveness or illegal pesticide residues in the crop may result from non-uniform distribution of treated water.
3. If you have any questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.
4. Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the label-prescribed safety devices for public water supplies are in place.
5. A person knowledgeable of the chemigation system and responsible for its operation or under supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.
6. The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
7. The pesticide injection pipeline must also contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
8. The pesticide injection pipeline must also contain a functional, normally closed solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
9. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
10. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
11. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm

pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

12. Do not apply when wind speed favors drift beyond the area intended for treatment.

RESTRICTIONS AND LIMITATIONS

GENERAL

Do not apply if rain is expected within 1 hour of application as control may be unsatisfactory.

Do not apply a postemergence broadleaf herbicide within one day following application of VOLUNTEER Herbicide or reduced grass control may result.

VOLUNTEER Herbicide is not recommended for use on vegetable crops being grown for seed production unless specific use directions are provided.

For canola, flax and mustard seed crops, do not apply more than 5 fl. oz. of VOLUNTEER Herbicide (0.08 lb. ai) per acre per season. For clover and radish crops, do not apply more than 16 fl. oz. of VOLUNTEER Herbicide (0.25 lb. ai) per acre per season. For all other crops, do not apply more than 32 fl. oz. of VOLUNTEER Herbicide (0.50 lb. ai) per acre per season.

Application on Long Island, New York, is restricted to no more than 16 fl. oz. of VOLUNTEER Herbicide (0.25 lb. ai) per acre per season.

Do not apply more than 8 fl. oz./A of VOLUNTEER Herbicide **per application** to the following crops: garden beets, carrots, radish (and other root vegetables), leaf lettuce, broccoli, cabbage, cauliflower (and other head and stem brassica vegetables), celery, rhubarb (and other leaf petioles), cranberry, cucurbits, fruiting vegetables (except tomatoes), non-bearing food crops and strawberry. Do not apply more than 5 fl. oz./A of VOLUNTEER Herbicide per application to canola, flax or mustard seed. **Exceeding these recommendations may result in unacceptable crop injury.**

Do not apply under conditions of stress. Applying VOLUNTEER Herbicide under conditions that do not promote active grass growth will reduce herbicide effectiveness. These conditions include drought, excessive water, extremes in temperature, low humidity and grasses either partially controlled or stunted from prior pesticide applications. Grasses under these kinds of stressful conditions will not absorb and translocate VOLUNTEER Herbicide effectively, and will be less susceptible to herbicide activity.

Best perennial grass control can be obtained if rhizomes or stolons are cut up by preplant tillage practices (discing, plowing, etc.) to stimulate maximum emergence of grass shoots. Cultural practices, such as continuous no-tillage in which the perennial grass rhizomes or stolons are not cut up, result in a very staggered, non-uniform weed emergence. Due to this non-uniform weed emergence, no fewer than two VOLUNTEER Herbicide applications per season per year are recommended at the appropriate weed-growth stage rate under continuous no-till conditions.

Grass crops such as corn, rice, sorghum, small grains or turf etc. are highly sensitive to VOLUNTEER Herbicide.

While all the vegetable crops on this label have been tested and are tolerant to VOLUNTEER Herbicide, not all specialty varieties of these crops have been tested. It is advised that, before applying VOLUNTEER Herbicide to specialty varieties of vegetable crops on this label, crop tolerance be investigated first using a small section of the field. It is possible that injury symptoms can occur. Symptoms may appear as leaf speckling or stunting.

Always read and follow the restrictions and limitations for all products whether used alone or in a tank mix. The most restrictive labeling of any product used applies in tank mixtures, including all crop rotational and other crop restrictions.

Tank mixes of VOLUNTEER Herbicide and broadleaf herbicides may result in reduced grass control. If grass regrowth occurs, an additional application of VOLUNTEER Herbicide may be necessary.

AVOID SPRAY DRIFT

Do not allow spray from ground or aerial equipment to drift onto adjacent land or crops. When drift may be a problem, do everything possible to reduce spray drift, including:

- Do not spray if wind speeds are or become excessive. Do not spray if wind speed is 10 MPH or greater. If sensitive crops or plants are downwind, extreme caution must be used under all conditions. Do not spray if winds are gusty.
- Use extreme caution when conditions are favorable for drift (high temperatures, drought, low relative humidity), especially when sensitive plants are located nearby.
- Do not apply when a temperature inversion exists. If inversion conditions are suspected, consult with local weather services before making an application.

- Further reductions in drift can be obtained by:
 - (1) Using large droplet size sprays. Do not use nozzles that produce small droplets. Orient nozzles downward and slightly backward as needed to reduce drift for ground applications.
 - (2) Orienting nozzles straight back with the windstream, using straight stream orifices for aerial applications.
Use the lowest number of nozzles practical with the largest possible orifice size to obtain the minimum 3 GPA volume. Application height and boom length should be set according to manufacturer's instructions to minimize drift.
 - (3) Increasing the volume of spray mixture (for example a minimum of 10 GPA for ground applications) by using higher flow rate nozzles. Using lower pressure with the appropriate nozzle to obtain higher volumes will also reduce drift.
 - (4) Applying as close to target plants as practical while maintaining a good spray pattern for adequate coverage.

Do not apply under conditions involving possible drift to food, forage or other plantings that might be damaged or the crops thereof rendered unfit for sale, use or consumption.

CROP SPECIFIC RESTRICTIONS AND LIMITATIONS FOR VOLUNTEER HERBICIDE

Crops ⁽¹⁾	Minimum Time From Application to Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre ⁽²⁾	Special Use Instructions
Alfalfa including: Sainfoin Holy Clover Birdsfoot Trefoil ⁽³⁾	15 days before grazing, feeding or harvesting (cutting) for forage or hay	6 - 16 fl. oz. ⁽⁴⁾	1 qt. by ground or 1.0% v/v (but not less than 1 pt./A) by air ⁽⁵⁾ .	Do not plant rotational crops until 30 days after application of VOLUNTEER Herbicide ⁽⁶⁾ . The addition of AMS has shown improved grass control for difficult to control species including: quackgrass, Rhizome johnsongrass, red rice, wild oats, volunteer cereals and volunteer corn.
Beans, Dry	30 days	6 - 16 fl. oz.	1 qt. by ground or 1.0% v/v (but not less than 1 pt./A) by air ⁽⁵⁾ .	Refer to appropriate Table for reduced rate recommendations for the control of small annual grasses. The addition of AMS has shown improved grass control for difficult to control species including: quackgrass, Rhizome johnsongrass, red rice, wild oats, volunteer cereals and volunteer corn.
Beet, Garden	30 days	6 - 8 fl. oz.	1% v/v in the finished spray volume.	Do not apply more than 8 fl. oz. per acre in a single application. For repeat applications, make on a minimum of a 14 day interval.
Carrot	30 days	6 - 8 fl. oz.	1% v/v in the finished spray volume.	Do not apply more than 8 fl. oz. per acre in a single application. For repeat applications, make on a minimum of a 14 day interval.
Canola	75 days	4 - 5 fl. oz.	1% v/v in the finished spray volume.	Do not apply after crop has begun bolting. Crop injury may occur when VOLUNTEER is applied during the bloom period. Do not exceed 5 fl. oz. of VOLUNTEER (0.08 lb. ai) per acre in a season.
Celery including: Cardoon Chinese Celery Celtuce Florence Fennel Swiss Chard	30 days	6 - 8 fl. oz.	1% v/v in the finished spray volume.	Do not apply more than 8 fl. oz. per acre in a single application. For repeat applications, make on a minimum of a 14 day interval.

(Continued)

CROP SPECIFIC RESTRICTIONS AND LIMITATIONS FOR VOLUNTEER HERBICIDE (Continued)

Crops⁽¹⁾	Minimum Time From Application to Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre⁽²⁾	Special Use Instructions
Clover	15 days before grazing, feeding or harvesting (cutting) for forage or hay	6 - 16 fl. oz.	1% v/v in the finished spray volume.	For use on Clover grown in the states of Idaho, Oregon and Washington only. Do not exceed 16 fl. oz. of VOLUNTEER Herbicide (0.25 lb. ai) per acre in a season.
Cotton	60 days	6 - 16 fl. oz.	1 qt. by ground or 1.0% v/v (but not less than 1 pt./A ¹ pt./A) by air ⁽⁵⁾ .	Do not graze treated fields or feed treated forage or hay to livestock. The addition of AMS has shown improved grass control for difficult to control species including: quackgrass, Rhizome johnsongrass, red rice, wild oats, volunteer cereals and volunteer corn.
Cranberry	30 days	6 - 8 fl. oz.	1% v/v in the finished spray volume.	Do not apply more than 8 fl. oz. per acre in a single application. Do not apply between the "hook" stage and full fruit set. For repeat applications, make on a minimum of a 14 day interval.
Cucurbits, including: Cantaloupes (all) Cucumber Gherkin Honeydew Melon Muskmelons (all) Pumpkin Squash (all) Watermelon	14 days	6 - 8 fl. oz.	1% v/v in the finished spray volume.	Do not apply more than 8 fl. oz. per acre in a single application. For repeat applications, make on a minimum of a 14 day interval.
Fallow Land (and other non-producing agricultural areas) Non-Crop or Non-Planted Areas	N/A	6 - 16 fl. oz.	1% v/v (but not less than 1 pt./A) in the finished spray volume using a crop oil concentrate containing at least 15% emulsifier.	Do not plant any crop for 30 days after application unless clethodim is registered for use in that crop.
Flax	75 days	4 - 5 fl. oz.	1% v/v in the finished spray volume.	Apply prior to bloom. Crop injury may occur when VOLUNTEER is applied during the bloom period. Do not exceed 5 fl. oz. of VOLUNTEER (0.08 lb. ai) per acre in a season.
Fruiting Vegetable (except Tomato), including: Eggplant Groundcherry Pepino Peppers (all) Tomatillo	20 days	6 - 8 fl. oz.	1% v/v in the finished spray volume.	Do not apply more than 8 fl. oz. per acre in a single application. For repeat applications, make on a minimum of a 14 day interval.
Head & Stem Brassica Vegetables, including: Broccoli Cabbage Cauliflower Brussels Sprouts	30 days	6 - 8 fl. oz.	1% v/v in the finished spray volume.	Do not apply more than 8 fl. oz./A in a single application. For repeat applications, make on a minimum of a 14 day interval.

(Continued)

CROP SPECIFIC RESTRICTIONS AND LIMITATIONS FOR VOLUNTEER HERBICIDE (Continued)

Crops ⁽¹⁾	Minimum Time From Application to Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre ⁽²⁾	Special Use Instructions
Leafy Brassica Greens including: Broccoli Raab Cabbage, Chinese (Bok Choy) Collards Kale Mustard Greens Mustard Spinach Rape Greens Turnip Greens	14 days	6 - 8 fl. oz.	1% v/v in the finished spray volume.	Do not apply more than 8 fl. oz./A in a single application. For repeat applications make on a minimum of a 14 day interval.
Leaf Lettuce	14 days	6 - 8 fl. oz.	1% v/v in the finished spray volume.	Do not apply more than 8 fl. oz./A in a single application. For repeat applications, make on a minimum of a 14 day interval.
Mint	21 days	6 - 16 fl. oz. ⁽⁴⁾	1 qt. by ground or 1.0% v/v (but not less than 1 pt./A) by air.	Do not apply more than 16 fl. oz./A in a single application. For repeat applications, make on a minimum of a 14 day interval.
Mustard Seed	75 days	4 - 5 fl. oz.	1% v/v in the finished spray volume.	Do not apply after crop has begun bolting. Crop injury may occur when VOLUNTEER is applied during the bloom period. Do not exceed 5 fl. oz. of VOLUNTEER (0.08 lb. ai) per acre in a season.
Non-Bearing Food Crops	N/A	6 - 8 fl. oz. ⁽⁸⁾	Use of crop oil concentrate is not recommended since it may injure flowers and foliage. See Special Use Instructions.	Add a non-ionic surfactant containing at least 80% active ingredient at the rate of 1 pt. per 50 gals. (0.25% v/v). Sugar maples cannot be tapped for syrup within one year of VOLUNTEER Herbicide application.
Onions (Dry Bulbs Only) Garlic Shallots (Dry Bulbs Only)	45 days	6 - 16 fl. oz. ^{(7), (8)}	1% v/v in the finished spray volume.	Minimum of 20 gals. per acre spray volume by ground in entire U.S. Minimum of 20 gals. per acre spray volume by air in California ⁽⁹⁾ .
Peanut	40 days	6 - 16 fl. oz.	1 qt. by ground or 1.0% v/v (but not less than 1 pt./A) by air ⁽⁵⁾ .	The addition of AMS has shown improved grass control for difficult to control species including: quackgrass, Rhizome johnsongrass, red rice, wild oats, volunteer cereals and volunteer corn.
Potato	30 days	6 - 16 fl. oz.	1 qt. by ground or 1.0% v/v (but not less than 1 pt./A) by air ⁽⁵⁾ .	The addition of AMS has shown improved grass control for difficult to control species including: quackgrass, Rhizome johnsongrass, red rice, wild oats, volunteer cereals and volunteer corn.
Radish	15 days	6 - 8 fl. oz.	1% v/v in the finished spray volume.	Do not apply more than 8 fl. oz. per acre in a single application. Do not apply more than 16 fl. oz. (0.25 lb. ai) per acre in a season. For repeat applications, make on a minimum of a 14 day interval.
Root Vegetables (except Radish) including: Chicory Ginseng Horseradish Turnip	30 days	6 - 8 fl. oz.	1% v/v in the finished spray volume.	Do not apply more than 8 fl. oz. per acre in a single application. For repeat applications, make on a minimum of a 14 day interval.

(Continued)

CROP SPECIFIC RESTRICTIONS AND LIMITATIONS FOR VOLUNTEER HERBICIDE (Continued)

Crops⁽¹⁾	Minimum Time From Application to Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre⁽²⁾	Special Use Instructions
Rhubarb	30 days	6 - 8 fl. oz.	1% v/v in the finished spray volume.	Do not apply more than 8 fl. oz./A in a single application. For repeat applications make on a minimum of a 14 day interval.
Soybean	60 days	6 - 16 fl. oz.	1 qt. by ground or 1.0% v/v (but not less than 1 pt./A) by air ⁽⁵⁾ .	Do not graze treated fields or feed treated forage or hay to livestock. Refer to appropriate Table for reduced rate recommendations for the control of small annual grasses. The addition of AMS has shown improved grass control for difficult to control species including: quackgrass, Rhizome johnsongrass, red rice, wild oats, volunteer cereals and volunteer corn.
Spinach	14 days	6 - 8 fl. oz.	1% v/v in the finished spray volume.	Do not apply more than 8 fl. oz./A in a single application. For repeat applications make on a minimum of a 14 day interval.
Strawberry	4 days	6 - 8 fl. oz.	1% v/v in the finished spray volume.	Do not apply more than 8 fl. oz. per acre in a single application. For repeat applications, make on a minimum of a 14 day interval.
Sugar Beet	40 days	6 - 16 fl. oz.	1 qt. by ground or 1.0% v/v (but not less than 1 pt./A) by air ⁽⁵⁾ .	Refer to appropriate Table for reduced rate recommendations for the control of small annual grasses. The addition of AMS has shown improved grass control for difficult to control species including: quackgrass, Rhizome johnsongrass, red rice, wild oats, volunteer cereals and volunteer corn.
Sunflower	70 days	6 - 16 fl. oz.	1 qt. by ground or 1.0% v/v (but not less than 1 pt./A) by air ⁽⁵⁾ .	The addition of AMS has shown improved grass control for difficult to control species including: quackgrass, Rhizome johnsongrass, red rice, wild oats, volunteer cereals and volunteer corn.
Sweet Potato, Yam and other Tuberous and Corm vegetables (except Potato) including: Artichoke, Chinese Jerusalem Cassava, Bitter sweet Ginger	30 days	6 - 16 fl. oz.	1% v/v in the finished spray volume.	---
Tomato	20 days	6 - 16 fl. oz.	1% v/v in the finished spray volume.	---

N/A = Not Applicable.

- (1) VOLUNTEER Herbicide is not recommended for use on vegetable crops being grown for seed production unless specific use directions are provided.
- (2) Acceptable crop oil concentrates would be those which contain a minimum of 80% oils and 15% emulsifier. A crop oil concentrate must contain either a petroleum or vegetable oil base and must meet all the following criteria: be non-phytotoxic, contain only EPA-exempt ingredients, provide good mixing quality and be successful in local experience. Highly refined vegetable oils have proven more satisfactory than unrefined vegetable oils. See the Addition of Adjuvant and Crop Oil Concentrate section for further information.
- (3) VOLUNTEER Herbicide may be applied to seedling or established alfalfa grown for seed, hay, silage, green chop or direct grazing.

(Continued)

CROP SPECIFIC RESTRICTIONS AND LIMITATIONS FOR VOLUNTEER HERBICIDE (Continued)

- (4) For weed control in established alfalfa, the minimum use rate is 8 fl. oz./A.
- (5) 1 to 2 qts./A of liquid fertilizer (10-34-0, 28%N or 32%N), or an equivalent amount (2.5 to 4.0 lbs./A) of spray grade ammonium sulfate (AMS) may be added to VOLUNTEER Herbicide applications, in addition to the recommended rate of crop oil concentrate.
- (6) Do not apply VOLUNTEER Herbicide and 2,4-DB as a tank mix to alfalfa unless the 60 day feeding, grazing and harvesting restriction on the 2,4-DB label can be observed.
- (7) For ground applications to garlic or shallots, do not exceed 8 fl. oz./A in a single application. For air applications to onion, garlic or shallots do not exceed 8 fl. oz./A in a single application. For garlic and shallots do not exceed 2 applications per season. In California for air application to onions, do not exceed 2 applications per season.
- (8) If VOLUNTEER Herbicide is applied as a spot treatment to onions, garlic or shallots, or non-bearing food crops, care should be taken to not exceed the maximum rate allowed on a "per acre" basis or crop injury may occur.
- (9) In California, do not apply VOLUNTEER Herbicide to onions, garlic or shallots until the crop has at least two full leaves. In California, 14 day spray intervals are recommended between the application of VOLUNTEER Herbicide and Liquid Nitrogen or other herbicide applications. Injury to crop may occur when shorter intervals are observed.

DIRECTIONS FOR USE IN SOYBEANS, COTTON, SUGAR BEETS, ONIONS (DRY BULBS), GARLIC, SHALLOTS (DRY BULBS), ALFALFA, PEANUTS, DRY BEANS, SUNFLOWER, CANOLA, FLAX, MUSTARD SEED, POTATO, SWEET POTATO, YAM (and other Tuberous⁽¹⁾ and Corm⁽¹⁾ Vegetables), TOMATOES, PEPPERS (bell and non-bell), EGGPLANTS (and other Fruiting Vegetables), CARROT, RADISH, GARDEN BEET, HORSERADISH (and other Root Vegetables⁽²⁾), LEAF LETTUCE, BROCCOLI, CABBAGE, CAULIFLOWER (and other Head and Stem Brassica Vegetables⁽³⁾), MUSTARD GREENS (and other Leafy Brassica Greens⁽⁴⁾), SPINACH, CELERY, RHUBARB (and other Leaf Petioles), CRANBERRY, STRAWBERRY, SQUASH (including PUMPKINS), CUCUMBER, MELONS (including CANTALOUPE and WATERMELONS), MINT AND CLOVER (grown in Idaho, Oregon and Washington only), NON-BEARING FOOD CROPS, AND NON-CROP OR NON-PLANTED AREAS

- (1) Other tuber and corm vegetables approved for use with VOLUNTEER Herbicide include: arracacha, arrowroot, Chinese artichoke, Jerusalem artichoke, edible burdock, edible canna, bitter and sweet cassava, chayote (root), chufa, dasheen (taro), ginger, leren, tanier, turmeric and bean yam.
- (2) Other root vegetables approved for use with VOLUNTEER Herbicide include: burdock, edible; celeriac; chervil, turnip-rooted; chicory; ginseng; parsley, turnip-rooted; parsnip; radish, oriental; rutabaga; salsify; salsify, black; salsify, Spanish; skirret and turnip.
- (3) Other head and stem brassica vegetables approved include: Chinese broccoli; Brussels sprouts, Chinese (napa) cabbage, Chinese mustard, cavalo broccolo and kohlrabi.
- (4) Other leafy brassica greens approved for use with VOLUNTEER Herbicide include: broccoli raab; cabbage, Chinese (bok choy); collards, kale, mustard greens; mustard spinach; rape greens and turnip greens.
- (5) Other leafy petiole crops include: cardoon, Chinese celery, celtuce, Florence fennel and swiss chard.

IMPORTANT

Plant tolerance to VOLUNTEER Herbicide at labeled rates has been found to be acceptable for the indicated genera and species listed below. Due to variability within species, crop growth stage, environmental conditions and application techniques, it is recommended that the user determine if herbicide can be used safely on a few plants prior to widespread application. Neither the seller nor the manufacturer of VOLUNTEER Herbicide have investigated the safety factor to plants not listed on the label.

NON-BEARING FOOD CROPS

VOLUNTEER HERBICIDE SHOULD NOT BE APPLIED TO NON-BEARING FRUIT OR NUT CROPS WHICH ARE GROWN FOR ROOT STOCK.

Crop injury to non-bearing fruit and nut crops can occur if VOLUNTEER Herbicide is improperly applied. VOLUNTEER Herbicide should not be applied directly over the top of these plant types. Instead spray should be directed at the base of the plant where grassy weeds are growing near the ground.

Non-bearing fruit and nut crops are plants which will not bear fruit or nuts for at least one year following VOLUNTEER Herbicide application.

COMMON NAME	SCIENTIFIC NAME
Apples	<i>Malus</i> spp.
Berries	<i>Vaccinium</i> spp. <i>Rubus</i> spp.
Cherry, Sweet	<i>Prunus avium</i>
Citrus Fruits	<i>Citrus</i> spp.
Grapes	<i>Vitis</i> spp.
Olives	<i>Olea</i> spp.
Peach	<i>Prunus persica</i>
Pears	<i>Pyrus communis</i>
Prunes	<i>Prunus</i> spp.
Stone Fruits	<i>Prunus</i> spp.
Tree Nuts	
Almond	<i>Prunus dulcis</i>
Filbert	<i>Corylus maxima</i>
Pecan	<i>Carya illinoensis</i>
Pistachio	<i>Pistacia vera</i>
Walnut	<i>Juglans</i> spp.

NON-CROP OR NON-PLANTED AREAS

The following areas are considered non-crop or non-planted areas:

Rights-of-way including railroads, highways, roads, dividers, medians, pipelines, public utility lines, pumping stations, transformer stations and substations. Around airports, electric utilities, commercial buildings, manufacturing plants, storage yards, rail yards, fence lines, parkways and post-harvest croplands.

**RECOMMENDATIONS FOR ANNUAL GRASSES
(EXCEPT FOR IN ESTABLISHED ALFALFA AND MINT)**

- Apply only to actively growing grasses at recommended weed heights.
- Apply when the first grass weed species in a mixed grass weed population reaches the recommended growth stage for treatment.

- Use the high rate under heavy grass pressure and/or when grasses are at maximum height.
- Do not apply more than 8 fl. oz./A of VOLUNTEER Herbicide per application to the following crops: garden beets, carrots, radish (and other root vegetables), leaf lettuce, broccoli, cabbage, cauliflower (and other head and stem brassica vegetables), mustard greens (and other leafy brassica greens), spinach, celery, rhubarb (and other leaf petioles), cranberry, cucurbits, fruiting vegetables (except tomatoes), non-bearing food crops and strawberry. Do not apply more than 5 fl. oz./A of VOLUNTEER Herbicide per application to canola, flax or mustard seed.

GRASS SPECIES	SCIENTIFIC NAME	WEED* HEIGHT - INCHES	RATE FL. OZ./ACRE	HIGH RATE ⁽⁴⁾
Barnyardgrass	<i>Echinochloa crus-galli</i>	2 - 8	6	8
Broadleaf Signalgrass	<i>Brachiaria platyphylla</i>	2 - 6	6	8
Brome				
California	<i>Bromus carinatus</i>	2 - 6	6	8
Cheatgrass	<i>Bromus secalinus</i>	2 - 6	6	8
Downy	<i>Bromus tectorum</i>	2 - 6	6	8
Ripgut	<i>Bromus diandrus</i>	2 - 6	6	8
Canarygrass	<i>Phalaris canariensis</i>	1 - 4	6	8
Crabgrass				
Hairy	<i>Digitaria adscendens</i>	2 - 6**	6	8
Large	<i>Digitaria sanguinalis</i>	2 - 6**	6	8
Smooth	<i>Digitaria ischaemum</i>	2 - 6**	6	8
Southern	<i>Digitaria ciliaris</i>	2 - 6**	6	8
Crowfootgrass	<i>Dactyloctenium aegyptium</i>	2 - 6**	6	8
Fall Panicum	<i>Panicum dichotomiflorum</i>	2 - 8	6	8
Field Sandbur	<i>Cenchrus incertus</i>	2 - 6	6	8
Foxtail				
Giant	<i>Setaria faberi</i>	2 - 12	6	8
Green	<i>Setaria viridis</i>	2 - 8	6	8
Yellow	<i>Setaria glauca</i>	2 - 8	6	8
Goosegrass	<i>Eleusine indica</i>	2 - 6**	6	8
Itchgrass	<i>Rottboellia exaltata</i>	2 - 6	6	8
Junglerice	<i>Echinochloa colona</i>	2 - 6	6	8
Lovegrass (Stinkgrass)	<i>Eragrostis cilianensis</i>	2 - 6	6	8
Rabbitsfootgrass	<i>Polypogon monspeliensis</i>	1 - 4	6	8
Red Rice	<i>Oryza sativa</i>	1 - 3	6	8
Rygrass				
Hardy	<i>Lolium remotum</i>	2 - 6	6	8
Italian	<i>Lolium multiflorum</i>	2 - 6	6	8
Seedling Johnsongrass	<i>Sorghum halepense</i>	4 - 10	6	8
Shattercane	<i>Sorghum bicolor</i>	6 - 18	6	8
Southwestern Cupgrass	<i>Eriochloa gracillis</i>	2 - 6	6	8
Sprangletop				
Amazon	<i>Leptochloa panicoides</i>	2 - 6	6	8
Bearded	<i>Leptochloa fascicularis</i>	2 - 6	6	8
Mexican	<i>Leptochloa uninervia</i>	2 - 6	6	8
Red	<i>Leptochloa filiformis</i>	2 - 6	6	8
Texas Panicum	<i>Panicum texanum</i>	2 - 6	6	8
Volunteer Cereals ⁽³⁾				
Barley	<i>Hordeum vulgare</i>	2 - 6	6	8
Oats	<i>Avena sativa</i>	2 - 6	6	8
Rye	<i>Secale cereale</i>	2 - 6	6	8
Wheat	<i>Triticum aestivum</i>	2 - 6	6	8
Volunteer Corn ⁽²⁾	<i>Zea mays</i>	4 - 12	4	6
Volunteer Corn (S.R.) ⁽¹⁾	<i>Zea mays</i>	4 - 12	8	(suppression only)
Volunteer Corn ⁽²⁾	<i>Zea mays</i>	12 - 24	6	8
Volunteer Grain Sorghum	<i>Sorghum bicolor</i>	8 - 12	6	8
Wild Oats	<i>Avena fatua</i>	2 - 6	6	8
Wild Proso Millet	<i>Panicum miliaceum</i>	2 - 10	6	8
Witchgrass	<i>Panicum capillare</i>	2 - 8	6	8
Woolly Cupgrass	<i>Eriochloa villosa</i>	2 - 8	6	8

(Continued)

GRASS TABLE, Continued

* Generally occurs between 3-leaf stage and tillering

** Length of lateral growth

- (1) Sethoxydim resistant volunteer corn.
- (2) Includes Roundup Ready®, Liberty Link® and IMI-Corn® volunteer corn.
- (3) When the cereal grain crop (such as wheat) is interseeded for crop establishment or is planted as wind breaks to aid crop establishment, the minimum VOLUNTEER Herbicide use rate for control is 8 fl. oz./A.
- (4) Rates higher than 8 fl. oz./A may be applied in certain geographic areas, cropping situations, or environmental conditions, where experience has shown that higher rates are needed for satisfactory control of annual grasses. In these situations, rates from 8 to 16 fl. oz./A may be applied. Do not apply more than 8 fl. oz./acre of VOLUNTEER Herbicide per application to the following crops: garden beets, carrots, radish (and other root vegetables), leaf lettuce, broccoli, cabbage, cauliflower (and other head and stem brassica vegetables), celery, rhubarb (and other leaf petioles), cranberry, cucurbits, fruiting vegetables (except tomatoes), non-bearing food crops and strawberry. Do not apply more than 5 fl. oz./A of VOLUNTEER Herbicide per application to canola, flax or mustard seed.

RECOMMENDATIONS FOR ANNUAL & PERENNIAL GRASS CONTROL IN ESTABLISHED ALFALFA AND MINT WITH VOLUNTEER HERBICIDE			
GRASS SPECIES	WEED STAGE	RATE FL. OZ./ ACRE	HIGH RATE
Annual & Perennial Grasses Listed in Grass Table	See Table	8	16
<p>Mowing: The best control of annual grasses can be achieved by applying VOLUNTEER Herbicide before grass weeds are mowed. Once a grass is mowed it becomes tougher to control, as much of the available leaf surface has been removed. In areas without a killing frost, some annuals can over-winter after having been mowed multiple times. These grasses form large crowns and may contain many viable buds. These grasses, even though they may be an annual grass, may require repeated applications of VOLUNTEER Herbicide for partial or complete control.</p> <p>Irrigated Alfalfa and Mint: Irrigation practices can be very critical to the successful use of VOLUNTEER Herbicide in established alfalfa and mint and may be necessary to initiate active growth of the weeds prior to application. Generally applications 2 to 4 days after an irrigation are most effective. Irrigation made shortly after application (2 days) can be effective, but more consistent grass control occurs when the irrigation is made before the application.</p> <p>Annual Grass Control: Apply VOLUNTEER Herbicide at the grass sizes indicated in the Recommendation for Annual Grass Table and rates indicated above (8 to 16 fl. oz./A). If a grass has been cut, apply VOLUNTEER Herbicide after active growth has resumed and regrowth has reached the minimum height and before it reaches the maximum height indicated. Apply before the alfalfa/mint canopy covers the grasses and interferes with the spray coverage.</p> <p>Some annual grasses are spring- and summer-germinating plants, while others are fall-germinating plants, and the time they are actively growing and most susceptible to VOLUNTEER Herbicide may vary from region to region. Also some annuals germinate over a extended period of time, and because control of small grasses is desired, applications after each weed flush may be required. As a general rule spray spring- and summer-germinating grasses as early in the season as possible, after initial green-up. Spray fall-germinating weeds in the fall soon after they begin growing but before any damage is done due to frost. Late fall applications may be less effective due to environmental conditions, such as frost, slower plant growth, or the onset of flowering.</p> <p>Perennial Grass Control: VOLUNTEER Herbicide effectively controls perennial grasses such as bermudagrass, johnsongrass, quackgrass, wirestem muhly, tall fescue, foxtail barley and orchardgrass. Due in part to lack of tillage, perennial grasses are more difficult to control in a perennial crop such as established alfalfa or mint. A program of repeated applications is usually necessary for best results. The best way to control perennial grasses is to do so in the year of stand establishment before rhizomes and stolons become large and difficult to kill.</p> <p>Use the high rate under heavy grass pressure and/or when grasses are at or near maximum height.</p> <p>Always add a crop oil concentrate at 1 qt./A by ground or 1% v/v (but not less than 1 pt./A) to the finished spray volume by air.</p>			

RECOMMENDATIONS FOR ANNUAL BLUEGRASS CONTROL WITH VOLUNTEER HERBICIDE			
GRASS SPECIES	WEED STAGE	RATE FL. OZ./ ACRE	HIGH RATE
Annual Bluegrass (<i>Poa annua</i>)	to 4-Leaf	6*	16

Apply under favorable soil moisture and humidity which exists within a few days after rainfall or within 7 days after irrigation. Grass needs to be actively growing at time of application(s).

Apply at weed stage indicated on the label, as reduced control can be expected with more mature annual bluegrass.

Use the high rate under heavy grass pressure and/or when annual bluegrass is more mature.

Always add a crop oil concentrate at 1 qt./A by ground to the finished spray volume.

* Use a minimum of 8 fl. oz./A to control annual bluegrass in seedling and established alfalfa.

DIRECTIONS FOR USE IN DRY BEANS, SOYBEANS AND SUGAR BEETS AT A REDUCED RATE

RECOMMENDATIONS FOR SMALL ANNUAL GRASSES

(REDUCED RATE RECOMMENDATIONS NOT FOR USE IN CALIFORNIA)

- Apply only to actively growing grasses at recommended weed heights.
- Apply when the first grass weed species in a mixed grass weed population reaches the recommended growth stage for treatment.
- Regrowth by tillering may occur if application is made when plants are stressed by lack of moisture, excessive moisture, low temperatures and/or under very low humidity.

GRASS SPECIES	SCIENTIFIC NAME	WEED HEIGHT INCHES	RATE FL. OZ./ ACRE ⁽¹⁾
Barnyardgrass	<i>Echinochloa crus-galli</i>	1 - 4	4
Broadleaf	<i>Brachiaria</i>	1 - 4	5
Signalgrass	<i>platyphylla</i>		
Crabgrass			
Large	<i>Digitaria sanguinalis</i>	1 - 3*	4
Large	<i>Digitaria sanguinalis</i>	1 - 4*	5
Smooth	<i>Digitaria ischaemum</i>	1 - 3*	4
Smooth	<i>Digitaria ischaemum</i>	1 - 4*	5
Southern	<i>Digitaria ciliaris</i>	1 - 4*	5
Fall panicum	<i>Panicum dichotomiflorum</i>	1 - 4	4
Foxtail			
Giant	<i>Setaria faberi</i>	1 - 4	4
Green	<i>Setaria viridis</i>	1 - 4	4
Millet	<i>Setaria italica</i>	1 - 4	5
Yellow	<i>Setaria glauca</i>	1 - 4	4
Seedling	<i>Sorghum halepense</i>	1 - 6	5
Johnsongrass			
Shattercane	<i>Sorghum bicolor</i>	4 - 10	4
Texas Panicum	<i>Panicum texanum</i>	1 - 4	5
Volunteer Corn**	<i>Zea mays</i>	4 - 12	4
Wild Oats	<i>Avena fatua</i>	1 - 4	5
Wild Proso Millet	<i>Panicum milaceum</i>	1 - 6	4

(Continued)

* Length of lateral growth

** Not S.R. Corn

(1) Always add a crop oil concentrate at 1 qt./A by ground to the finished spray volume.

DIRECTIONS FOR USE IN CANOLA, FLAX AND MUSTARD SEED AT REDUCED RATES

RECOMMENDATIONS FOR ANNUAL GRASSES

- Apply only to actively growing grasses at recommended weed heights.
- Apply when the first grass weed species in a mixed grass weed population reaches the recommended growth stage for treatment.
- Regrowth by tillering may occur if application is made when plants are stressed by lack of moisture, excessive moisture, low temperatures and/or under very low humidity.

GRASS SPECIES	SCIENTIFIC NAME	WEED* HEIGHT INCHES	RATE FL. OZ./ ACRE
Barnyardgrass	<i>Echinochloa crus-galli</i>	1 - 4	4
Crabgrass			
Large	<i>Digitaria sanguinalis</i>	1 - 4*	5
Smooth	<i>Digitaria ischaemum</i>	1 - 4*	5
Fall panicum	<i>Panicum dichotomiflorum</i>	1 - 4	4
Foxtail			
Giant	<i>Setaria faberi</i>	1 - 4	4
Green	<i>Setaria viridis</i>	1 - 4	5
Yellow	<i>Setaria glauca</i>	1 - 4	5
Shattercane	<i>Sorghum bicolor</i>	4 - 10	4
Volunteer			
Cereals			
Barley	<i>Hordeum vulgare</i>	1 - 4	5
Oats	<i>Avena sativa</i>	1 - 4	5
Wheat	<i>Triticum aestivum</i>	1 - 4	5
Volunteer Corn**	<i>Zea mays</i>	4 - 12	4
Wild Oats	<i>Avena fatua</i>	1 - 4	5
Wild Proso Millet	<i>Panicum milaceum</i>	1 - 6	4

* Length of lateral growth

** Not S.R. Corn

RECOMMENDATIONS FOR PERENNIAL GRASSES

- Apply only to actively growing grasses at recommended weed heights.
- Apply when the first grass weed species in a mixed grass weed population reaches the recommended growth stage for treatment.
- Use the high rate under heavy grass pressure and/or when grasses are at maximum height.
- Do not apply more than 8 fl. oz./A of VOLUNTEER Herbicide per application to the following crops: garden beets, carrots, radish (and other root vegetables), leaf lettuce, broccoli, cabbage, cauliflower (and other head and stem brassica vegetables), celery, rhubarb (and other leaf petioles), cranberry, cucurbits, fruiting vegetables (except tomatoes) and strawberry. Do not apply more than 5 fl. oz./A of VOLUNTEER Herbicide per application to canola, flax or mustard seed.

GRASS SPECIES	WEED HEIGHT INCHES	RATE FL. OZ./ACRE	HIGH RATE
Bermudagrass First Application Repeat Application(s) (if regrowth occurs)	(<i>Cynodon dactylon</i>) 3 (or up to 6" runners) 3 (or up to 6" runners)	8 8	16 16
Fescue, Tall First Application Repeat Application(s) (if regrowth occurs)	(<i>Festuca arundinacea</i>) 4 - 8 4 - 8	8 8	16 16
Foxtail Barley First Application Repeat Application(s) (if regrowth occurs)	(<i>Hordeum jubatum</i>) 2 - 6 2 - 6	8 8	16 16
Orchardgrass First Application Repeat Application(s) (if regrowth occurs)	(<i>Dactylis glomerata</i>) 4 - 8 4 - 8	8 8	16 16
Quackgrass* First Application Repeat Application(s) (if regrowth occurs)	(<i>Agropyron repens</i>) 4 - 12 4 - 12	8 8	16 16
Rhizome Johnsongrass First Application Repeat Application(s) (if regrowth occurs)	(<i>Sorghum halepense</i>) 12 - 24 6 - 18	8 6	16 8
Wirestem Muhly First Application Repeat Application(s) (if regrowth occurs)	(<i>Muhlenbergia frondosa</i>) 4 - 8 4 - 8	8 8	16 16
Perennial Bluegrass* First Application Repeat Application(s) (if regrowth occurs)	[Roughstalk (<i>Poa trivialis</i>) [Kentucky (<i>Poa prantensis</i>)] 2 - 4 2 - 4	8 8	16 16

* Control of quackgrass and perennial bluegrass with VOLUNTEER Herbicide may be enhanced by adding AMS at 2.5 to 4.0 lbs./A.

TANK MIXES

GENERAL INFORMATION

The labels for each of the herbicides recommended for tank mixing with VOLUNTEER Herbicide are unique to the characteristics of those products and contain restrictions and limitations that may be more restrictive than the VOLUNTEER Herbicide label in certain considerations. Those concerns may include, but are not limited to:

1. Geographic restrictions - all products are not registered for use in all areas and rates may vary from one region of labeled use to another;
2. Crop rotation restrictions;
3. Applicator certification requirements;
4. Worker safety rules (e.g. protective clothing, reentry time, posting);
5. Soil type or soil characteristics (e.g. pH, OM);
6. Maximum dosage or number of applications per season;
7. Rain free period required; or
8. Application timing (e.g. pre-harvest interval);
9. **FOR ALL CROPS EXCEPT CLOVER AND RADISH: DO NOT EXCEED A TOTAL OF 32 FL. OZ./ACRE (0.5 LB. AI/A) OF VOLUNTEER HERBICIDE PER SEASON, WHETHER APPLIED ALONE OR IN TANK MIX APPLICATIONS. FOR CLOVER AND RADISH: DO NOT EXCEED A TOTAL OF 16 FL. OZ. VOLUNTEER HERBICIDE (0.25 LBS. OF AI) PER ACRE PER SEASON. FOR CANOLA, FLAX AND MUSTARD SEED, DO NOT EXCEED A TOTAL OF 5 FL. OZ. VOLUNTEER HERBICIDE (0.08 LBS. OF AI) PER ACRE PER SEASON.**

THE MOST RESTRICTIVE LABELING OF ANY PRODUCT USED IN A TANK MIX MUST BE FOLLOWED.

TANK MIX APPLICATION OF VOLUNTEER HERBICIDE AND BROADLEAF HERBICIDES FOR CONTROL OF GRASSES AND BROADLEAF WEEDS

- Apply only to actively growing grass and broadleaf weeds at recommended height or growth stage listed on each label.
- Apply when the first grass or broadleaf weed species in a mixed population reaches the recommended height or growth stage for treatment.
- Apply under favorable soil moisture and humidity which exist a few days after rainfall or within seven days after irrigation.
- Always add the appropriate adjuvant to the spray mix at the rate recommended for each specific tank mix combination.
- Tank mix applications may sometimes result in reduced grass control and possible increases in crop injury as compared to either product used alone. If regrowth occurs, or an additional flush of new grass emerges, make a second application of VOLUNTEER Herbicide, as specified in the respective size and rate tables.
- Do not tank mix VOLUNTEER Herbicide when broadleaf weeds are tall and/or dense enough to prevent proper grass coverage.

MIXING INSTRUCTIONS

Maintain agitation throughout the spray application. Failure to agitate the spray volume may result in improper mixing of the herbicides and unsatisfactory weed control. Mixing and compatibility qualities should be verified by a jar test.

VOLUNTEER Herbicide Tank Mix: Add 1/2 of the required water to the spray tank and begin agitation. Add the required amount of VOLUNTEER Herbicide and mix thoroughly. Then add the required amount of tank mix partner and continue mixing. Finally, add the required amount of crop oil concentrate and/or the Nitrogen fertilizer and the remaining water.

INFORMATION ON ANTAGONISM

Tank mixes of VOLUNTEER Herbicide with postemergence broadleaf herbicides have shown some reduction or failure to control certain grass species which would have otherwise been controlled when VOLUNTEER Herbicide is applied alone. Activity of the postemergence broadleaf herbicide in the tank mix is not affected.

Table 1.
VOLUNTEER HERBICIDE TANK MIXES⁽³⁾ TO CONTROL ANNUAL GRASSES WHEN USED AS A BURNDOWN IN NO-TILL SOYBEANS

PRODUCT	PRODUCT ACRE RATE ⁽¹⁾	GRASS HEIGHT	CROP OIL CONC. ⁽²⁾	28%N OR 32%N QTS./A OR 2.5 TO 4.0 LBS. AMS	
				+	
VOLUNTEER Herbicide	3 fl. oz.	Foxtail Fall Panicum	1 - 3" 1 - 3"	1 qt./A	1 to 2 qts./A OR 2.5 to 4.0 lbs. AMS
	4 fl. oz.	Foxtail Fall Panicum	1 - 4" 1 - 4"	1 qt./A	1 to 2 qts./A OR 2.5 to 4.0 lbs. AMS
	6 to 8 fl. oz.	(See Grass Chart for grasses claimed)		1 qt./A	1 to 2 qts./A OR 2.5 to 4.0 lbs. AMS
+ 2,4-D ester*	+ 0.5 lb. ai				

* 2,4-D ester should not be used where drift sensitive crops may be grown.

(1) If regrowth occurs or an additional flush of new grass emerges, make a second application of VOLUNTEER Herbicide according to the appropriate size and rate recommendations.

(2) Always use a crop oil concentrate at the listed rate in the finished spray volume.

(3) The following products can be tank mixed with VOLUNTEER Herbicide plus 2,4-D ester: Dual® 8 E, Dual II®, Dual Magnum®, Prowl®, Sencor® and Sencor plus the Dual products.

Table 2.
VOLUNTEER HERBICIDE TANK MIXES WITH BROADLEAF HERBICIDES FOR SOYBEANS (REFER TO THE RECOMMENDATION TABLES FOR SPECIFIC GRASSES AND GROWTH STAGES)

PRODUCT ⁽²⁾	ANNUAL GRASSES	PERENNIAL GRASSES	APPLICATION RATES/ACRE ⁽¹⁾	
			CROP OIL CONC. ⁽³⁾ (V/V)	
			GROUND	AIR
VOLUNTEER Herbicide	6 to 8 fl. oz.	8 to 16 fl. oz.	0.5 to 1%	1%
+ Cobra® Herbicide	+ 12.5 fl. oz.	+ 12.5 fl. oz.		
VOLUNTEER Herbicide	8 to 10 fl. oz.	10 to 16 fl. oz.	1%	1%
+ Basagran® 4SL	+ 1 to 2 pts.	+ 1 to 2 pts.		
VOLUNTEER Herbicide	6 to 8 fl. oz.	6 to 8 fl. oz.	0.5 to 1%	1%
+ Blazer® 2 SL	+ 1 to 1.5 pts.	+ 1 to 1.5 pts.		
VOLUNTEER Herbicide	6 to 8 fl. oz.	6 to 8 fl. oz.	1%	1%
+ Flexstar® HL Herbicide ⁽⁵⁾	+ Refer to the Flexstar HL Herbicide label for specific application rates.	+ 		
VOLUNTEER Herbicide	8 to 10 fl. oz.	10 to 16 fl. oz.	1%	1%
+ Classic® 25 DG	+ 0.5 to 0.75 oz.	+ 0.5 to 0.75 oz.		
VOLUNTEER Herbicide ⁽⁴⁾	6 to 8 fl. oz.	8 to 16 fl. oz.	1%	1%
+ Pursuit®	+ 4 fl. oz.	+ 4 fl. oz.		
VOLUNTEER Herbicide	6 to 8 fl. oz.	8 to 16 fl. oz.	0.5 to 1%	1%
+ Reflex® 2 LC	+ 0.75 to 1.5 pts.	+ 0.75 to 1.5 pts.		
VOLUNTEER Herbicide ⁽⁴⁾	8 to 10 fl. oz.	--	0.5%	1%
+ Galaxy®	+ 32 fl. oz.			
VOLUNTEER Herbicide ⁽⁴⁾	8 to 10 fl. oz.	--	0.5%	1%
+ Cobra Herbicide	+ 6 to 8 fl. oz.			
+ Classic 25 DG	+ 0.5 to 0.75 oz.			

(Continued)

Table 2. (Continued)

**VOLUNTEER HERBICIDE TANK MIXES WITH BROADLEAF HERBICIDES FOR SOYBEANS
(REFER TO THE RECOMMENDATION TABLES FOR SPECIFIC GRASSES AND GROWTH STAGES)**

VOLUNTEER Herbicide ⁽⁴⁾	8 to 10 fl. oz.	--	0.5%	1%
+ Cobra Herbicide	+ 6 to 10 fl. oz.			
+ Basagran 4 SL	+ 1 to 1.5 pts.			
VOLUNTEER Herbicide ⁽⁴⁾	8 to 10 fl. oz.	--	0.5%	1%
+ Cobra Herbicide	+ 6 to 10 fl. oz.			
+ Pursuit	+ 4 fl. oz.			
VOLUNTEER Herbicide ⁽⁴⁾	8 to 10 fl. oz.	--	0.5%	1%
+ Storm®	+ 1.5 pts.			
VOLUNTEER Herbicide ⁽⁴⁾	8 to 10 fl. oz.	--	1%	1%
+ Resource® Herbicide	+ 4 fl. oz.			
+ Pursuit	+ 4 fl. oz.			
VOLUNTEER Herbicide ⁽⁴⁾	8 to 10 fl. oz.	--	1%	1%
+ Resource Herbicide	+ 4 fl. oz.			
+ Basagran Herbicide	+ 1 pt.			
VOLUNTEER Herbicide ⁽⁴⁾	8 to 10 fl. oz.	--	1%	1%
+ Resource Herbicide	+ 4 fl. oz.			
+ Classic Herbicide	+ 0.5 fl. oz.			
VOLUNTEER Herbicide ⁽⁴⁾	6 to 8 fl. oz.	--	0.5%	1%
+ Cobra Herbicide	+ 6 fl. oz.			
+ Resource Herbicide	+ 4 fl. oz.			
VOLUNTEER Herbicide ⁽⁴⁾	6 to 8 fl. oz.	8 to 16 fl. oz.	1%	--
+ FirstRate®	+ 0.3 oz./A	+ 0.3 oz./A		
VOLUNTEER Herbicide ⁽⁴⁾	6 to 8 fl. oz.	8 to 16 fl. oz.	1%	--
+ Cobra Herbicide	+ 6 to 8 fl. oz.	+ 6 to 8 fl. oz.		
+ FirstRate	+ 0.3 oz./A	+ 0.3 oz./A		
VOLUNTEER Herbicide ⁽⁴⁾	6 to 8 fl. oz.	--	1%	--
+ Raptor® (1 AS)	+ 4 to 5 fl. oz./A			
VOLUNTEER Herbicide ⁽⁴⁾	6 to 8 fl. oz./A	--	1%	--
+ Cobra Herbicide	+ 6 to 8 fl. oz./A			
+ Raptor (1 AS)	+ 4 to 5 fl. oz./A			
VOLUNTEER Herbicide ⁽⁴⁾	6 to 8 fl. oz./A ⁽⁶⁾	--	1 qt./A	--
+ Synchrony® STS™	+ 0.5 oz./A			
VOLUNTEER Herbicide ⁽⁴⁾	6 to 8 fl. oz./A ⁽⁶⁾	--	1 pt./A	--
+ Cobra Herbicide	+ 4 to 8 fl. oz.			
+ Synchrony STS	+ 0.5 oz./A			
VOLUNTEER Herbicide ⁽⁴⁾	6 to 8 fl. oz.	--	1 qt./A	--
+ Resource Herbicide	+ 4 to 12 fl. oz./A			
VOLUNTEER Herbicide ⁽⁴⁾	8 to 10 fl. oz./A	--	1%	--
+ Frontrow™	+ Refer to Frontrow label for use rates.			

(Continued)

Table 2. (Continued)**VOLUNTEER HERBICIDE TANK MIXES WITH BROADLEAF HERBICIDES FOR SOYBEANS
(REFER TO THE RECOMMENDATION TABLES FOR SPECIFIC GRASSES AND GROWTH STAGES)**

If grass regrowth occurs or an additional flush of new grass emerges, make a second application of VOLUNTEER Herbicide alone (without a tank mix herbicide), according to the appropriate size and rate recommendations.

Broadleaf weed control may be reduced when grass populations are tall enough or dense enough to intercept the spray pattern and prevent them from receiving complete coverage. Tank mixing is not recommended in these situations.

Always use a crop oil concentrate at the listed rate (but not less than 1 pt./A) in the finished spray volume.

The addition of 1 to 2 qts./A of liquid fertilizer (10-34-0, 28%N or 32%N) is recommended when VOLUNTEER Herbicide is tank mixed with Pursuit, Resource, Galaxy, Storm, FirstRate, Synchrony, Raptor, Frontrow, Cobra plus Classic, Cobra plus Basagran, Cobra plus Pursuit, Cobra plus FirstRate, Cobra plus Synchrony and Cobra plus Raptor. An equivalent amount (2.5 to 4.0 lbs./A) of spray grade ammonium sulfate (AMS) may be added in place of liquid fertilizer. Fertilizer adjuvants are to be added in addition to the crop oil concentrate.

Refer to Flexstar HL label for geographic and rotational restrictions.

Annual grasses and sizes controlled with these tank mixtures are those which are identified in the **DIRECTIONS FOR USE IN SOYBEANS AT A REDUCED RATE** table.

Table 3.**VOLUNTEER HERBICIDE TANK MIXED WITH COBRA HERBICIDE AND MSMA APPLIED POST DIRECTED TO COTTON**

PRODUCT ⁽²⁾	APPLICATION RATES/ACRE ⁽¹⁾		CROP OIL CONC. ⁽³⁾	
	ANNUAL GRASSES	PERENNIAL GRASSES	GROUND	COMMENTS
VOLUNTEER Herbicide ⁽⁴⁾ +	6 to 8 fl. oz.	8 to 16 fl. oz.	1%	Reduce broadcast rate in proportion to the band area actually treated.
Cobra Herbicide +	See Cobra label for rates to control broadleaf weeds and height limitations for cotton. Refer to the VOLUNTEER Herbicide label for weed height and species controlled.			
MSMA (4.0 lbs./gal.) or MSMA (6.6 lbs./gal.)	See MSMA label for rates to control broadleaf weeds and height limitations for cotton. Refer to the VOLUNTEER Herbicide label for weed height and species controlled.			

(1) If grass regrowth occurs or an additional flush of new grass emerges, make a second application of VOLUNTEER Herbicide alone (without a tank mix herbicide), according to the appropriate size and rate recommendations.

(2) Broadleaf weed control may be reduced when grass populations are tall enough or dense enough to intercept the spray pattern and prevent them from receiving complete coverage. Tank mixing is not recommended in these situations.

(3) Always use a crop oil concentrate at the listed rate (but not less than 1 pt./A) in the finished spray volume.

(4) If at the time of application, grass height is so tall that post-directed applications cannot get good coverage over the top of the grassy weeds, then poor control may result and a second (non-post directed) application of VOLUNTEER Herbicide may be necessary.

Table 4.
VOLUNTEER HERBICIDE TANK MIXED WITH BUCTRIL® 4 EC HERBICIDE TO CONTROL EMERGED WEEDS IN BXN® COTTON AS A BROADCAST APPLICATION

PRODUCT ⁽²⁾	APPLICATION RATE/ACRE ⁽¹⁾		CROP OIL CONC. ⁽³⁾	COMMENTS ⁽⁷⁾
	ANNUAL GRASSES	PERENNIAL GRASSES		
VOLUNTEER Herbicide + Buctril 4 EC Herbicide ^(4,5,6)	8 to 16 fl. oz.	8 to 16 fl. oz.	1 qt./A	See charts for grasses controlled
	See Buctril 4 EC Herbicide label for rates to control broadleaf weeds and height limitations for cotton.			

- (1) If grass regrowth occurs or an additional flush of new grass emerges, make a second application of VOLUNTEER Herbicide at the recommended rate with the appropriate amount of crop oil concentrate in a non-Buctril tank mix.
- (2) Broadleaf weed control may be reduced when grass populations are tall enough or dense enough to intercept the spray pattern and prevent them from receiving complete coverage.
- (3) Always add a crop oil concentrate at 1 qt./A by ground in the finished spray solution.
- (4) Applications of Buctril 4 EC can be made only to cotton that has been genetically modified for crop tolerance to postemergence over-the-top applications of bromoxynil.
- (5) Do not apply the VOLUNTEER Herbicide plus Buctril tank mix within 75 days of harvest.
- (6) Do not exceed two applications of Buctril before cotton is 12 inches tall and one application after 12 inches tall.
- (7) Use a minimum of 10 gals. of spray solution per acre.

Table 5.
VOLUNTEER HERBICIDE TANK MIXED WITH STINGER® HERBICIDE APPLIED TO SUGAR BEETS

PRODUCT ⁽²⁾	APPLICATION RATES/ ACRE ⁽¹⁾		CROP OIL CONC. ⁽³⁾
	ANNUAL GRASSES	PERENNIAL GRASSES	
VOLUNTEER Herbicide + Stinger Herbicide	6 to 8 fl. oz.	8 to 16 fl. oz.	1% v/v
	See Stinger Herbicide label for rates. Refer to the VOLUNTEER Herbicide label for weed height and species controlled.		

- (1) If grass regrowth occurs or an additional flush of new grass emerges, make a second application of VOLUNTEER Herbicide alone (without a tank mix herbicide), according to the appropriate size and rate recommendations.
- (2) Broadleaf weed control may be reduced when grass populations are tall enough or dense enough to intercept the spray pattern and prevent them from receiving complete coverage. Tank mixing is not recommended in these situations.
- (3) Always use a crop oil concentrate at the listed rate (but not less than 1 pt. per acre) in the finished spray volume.

Table 6.
VOLUNTEER HERBICIDE TANK MIXED WITH BETAMIX® OR BETANEX® APPLIED TO SUGAR BEETS

PRODUCT ⁽²⁾	WEEDS CONTROLLED		WEED HEIGHT	APPLICATION RATE/ ACRE ⁽¹⁾
	COMMON NAME	SCIENTIFIC NAME		
VOLUNTEER Herbicide ⁽³⁾ + Betamix or Betanex	Barnyardgrass Foxtail Foxtail Millet Wild Oats Wild Proso Millet	<i>Echinochloa crus-galli</i> <i>Setaria</i> spp. <i>Setaria italica</i> <i>Avena fatua</i> <i>Panicum milaceum</i>	1 - 3" 1 - 3" 1 - 3" 1 - 3" 1 - 3"	8 fl. oz.
	See Betamix label for rates to control broadleaf weeds. No additives are recommended in the tank mix.			
	See Betanex label for rates to control broadleaf weeds. No additives are recommended in the tank mix.			

- (1) Do not use crop oil concentrate. No additives are recommended in the tank mix.
- (2) Broadleaf weed control may be reduced when grass populations are tall enough or dense enough to intercept the spray pattern and prevent them from receiving complete coverage. Tank mixing is not recommended in these situations.
- (3) If grass regrowth occurs or an additional flush of new grass emerges, make a second application of VOLUNTEER Herbicide at full label rate with appropriate rate of crop oil concentrate.

TANK MIX APPLICATION OF VOLUNTEER HERBICIDE AND 2,4-DB HERBICIDE FOR CONTROL OF GRASSES AND BROADLEAF WEEDS IN ALFALFA

A tank mix of VOLUNTEER Herbicide plus 2,4-DB (up to 1.0 lb. ai/A) can be used to control grass and broadleaf weeds listed on the two product labels. Include a crop oil concentrate containing at least 15% emulsifier at 1% v/v in the finished spray. Follow rate and other recommendations on the individual herbicide labels when applying this tank mix.

NOTE: VOLUNTEER Herbicide plus 2,4-DB may increase the severity of crop injury when tank mixed. Alfalfa plants will generally outgrow this temporary crop injury within a few weeks.

TANK MIX APPLICATION OF VOLUNTEER HERBICIDE AND PURSUIT HERBICIDE FOR CONTROL OF GRASSES AND BROADLEAF WEEDS IN ALFALFA

A tank mix of VOLUNTEER Herbicide plus Pursuit Herbicide or Pursuit DG Herbicide can be used to control annual grass and broadleaf weeds listed on the two product labels. Include a crop oil concentrate at 1% v/v in the finished spray. For annual grass control in alfalfa using VOLUNTEER Herbicide plus Pursuit use 8 to 16 fl. oz./A of VOLUNTEER Herbicide.

Before using this tank mix, read and understand the Pursuit or Pursuit DG Herbicide labels for geographical restrictions and restrictions regarding alfalfa growth stage and type. Failure to do so can result in crop injury to alfalfa.

Do not feed, graze or harvest alfalfa for 30 days following an application of Pursuit to alfalfa.

Table 7. TANK MIX APPLICATION OF VOLUNTEER HERBICIDE AND INSECTICIDES FOR CONTROL OF GRASS WEEDS AND INSECTS IN SOYBEANS, COTTON AND PEANUTS

APPLICATION RATES/ACRE ⁽¹⁾			
PRODUCT ⁽²⁾	ANNUAL GRASSES	PERENNIAL GRASSES	CROP OIL CONC. (V/V) ⁽³⁾
VOLUNTEER Herbicide	6 to 8 fl. oz.	8 to 16 fl. oz.	1%
+ Orthene® 75 SP or Orthene 97	+ 0.33 to 1.33 lbs.	+ 0.33 to 1.33 lbs.	
	0.25 to 1.0 lb.	0.25 to 1.0 lb.	
(For use in cotton and peanuts only, not soybeans.)			
VOLUNTEER Herbicide	6 to 8 fl. oz.	8 to 16 fl. oz.	1%
+ Orthene 90 S ⁽⁴⁾	+ 0.25 to 1 lb.	+ 0.25 to 1 lb.	
VOLUNTEER Herbicide	6 to 8 fl. oz.	8 to 16 fl. oz.	1%
+ Danitol® 2.4 EC Spray ⁽⁵⁾	+ 10-2/3 to 16 fl. oz.	+ 10-2/3 to 16 fl. oz.	
(For use in cotton and peanuts only, not soybeans.)			

- (1) If grass regrowth occurs, or an additional flush of new grass emerges, make a second application of VOLUNTEER Herbicide alone (without a tank mix insecticide) according to the appropriate size and rate recommendations.
- (2) Refer to VOLUNTEER Herbicide and insecticide label for rates and weeds and insects controlled.
- (3) Always use a crop oil concentrate at the listed rate (but not less than 1 pt./A) in the finished spray volume.
- (4) Insecticide tank mix use with Orthene 90 S in soybeans is permitted only in a state having an approved Section 24(C) registration for Orthene 90 S in soybeans.
- (5) Danitol tank mix is labeled for use in cotton and peanuts only, not soybeans.

TANK MIX APPLICATION OF VOLUNTEER HERBICIDE AND INSECTICIDES FOR CONTROL OF GRASS WEEDS AND INSECTS IN ALFALFA

VOLUNTEER Herbicide can be tank mixed with the following insecticides for use in alfalfa: Baythroid®, Dimethoate, Lorsban®, Pounce® or Warrior®. The VOLUNTEER Herbicide rate should be 6 to 8 fl. oz./A for annual grass control in seedling alfalfa, minimum of 8 fl. oz./A for annual grass control in established alfalfa and 8 to 16 fl. oz./A for perennial grass control. Crop oil concentrate should be added at the rate of 1.0 to 2.0 pts./A.

For the VOLUNTEER plus Lorsban tank mix, reduce the adjuvant rate down to 1.0 pt./A when the Lorsban rate is 1.0 pt./A or higher.

Certain insecticides may cause temporary phytotoxic symptoms on alfalfa foliage. Refer to the insecticide label for further information. It is suggested that prior to using any of these insecticide/herbicide tank mixtures, that a small area of the field be treated first and observations for crop injury be made prior to treating the whole field.

Applications must be made at a timing which falls within the guidelines of the VOLUNTEER Herbicide label relative to weed sizes and application equipment. For these applications it is necessary to use application equipment designed for herbicide applications.

TANK MIX APPLICATION OF VOLUNTEER HERBICIDE AND INSECTICIDES FOR CONTROL OF GRASS WEEDS AND INSECTS IN MINT

VOLUNTEER Herbicide can be tank mixed with the following insecticide for use in mint: Orthene. The VOLUNTEER Herbicide rate should be 6 to 8 fl. oz./A for annual grass control in baby mint, minimum of 8 fl. oz./A for perennial grass control. Crop oil concentrate should be added at the rate of 1.0 to 2.0 pts./A.

Certain insecticides may cause temporary phytotoxic symptoms on mint foliage. Refer to the insecticide label for further information. It is suggested that prior to using any insecticide/herbicide tank mixtures, that a small area of the field be treated first and observations for crop injury be made prior to treating the whole field.

Applications must be made at a timing which falls within the guidelines of the VOLUNTEER Herbicide label relative to weed sizes and application equipment. For these applications it is necessary to use application equipment designed for herbicide applications.

Table 8.
RECOMMENDATIONS FOR ROUNDUP READY VOLUNTEER CORN CONTROL IN ROUNDUP READY SOYBEANS WITH VOLUNTEER HERBICIDE TANK MIX

Roundup Ready Volunteer Corn Height/Inches	VOLUNTEER Herbicide Rate - Fl. Oz./A	Glyphosate ⁽¹⁾ Rate for Formulations WITH Built-in Adjuvant	Adjuvant
<12	4	1.0 to 2.0 lbs. ai/A (approximately equivalent to 22 to 44 fl. oz./A of Roundup WeatherMax™)	Non-ionic surfactant @ 0.125 to 0.25 plus ammonium sulfate @ 8.5 to 17 lbs. per 100 gals. of carrier
12 to 18	5		
18 to 24	6		
Roundup Ready Volunteer Corn Height/Inches	VOLUNTEER Herbicide Rate - Fl. Oz./A	Glyphosate ⁽¹⁾ Rate for Formulations WITHOUT Built-in Adjuvant	Adjuvant
<12	4	Up to 2.0 lbs. ai/A (equivalent to 32 to 64 fl. oz./A of Roundup Original™)	Crop oil concentrate @ 1 pt./A plus ammonium sulfate @ 8.5 to 17 lbs. per 100 gals. of carrier
12 to 18	5		
18 to 24	6		

(1) Glyphosate formulation must be labeled for use on Roundup Ready soybeans.

THE MOST RESTRICTIVE LABELING OF ANY PRODUCT USED IN A TANK MIX MUST BE FOLLOWED.

- Apply only to actively growing grass and broadleaf weeds at recommended height or growth stage listed on each label.
- Apply under favorable soil moisture and humidity which exist a few days after rainfall or within seven days after irrigation.
- Tank mix applications may sometimes result in reduced grass control. If regrowth occurs, or an additional flush of new grass emerges, make a second application of VOLUNTEER Herbicide, as specified in the respective size and rate tables.
- Do not tank mix VOLUNTEER Herbicide when broadleaf weeds are tall and/or dense enough to prevent proper grass coverage.
- This tank mix may be applied postemergence to **Roundup Ready soybeans** up through the full flowering stage. Do not apply later than 60 days before harvest.
- Avoid contact with foliage, green stems, or fruit crops, or any desirable plants and trees, other than soybeans with the Roundup Ready gene as severe injury or destruction will result.
- Do not allow the VOLUNTEER plus Roundup to mist, drip, drift or splash onto desirable vegetation as minute quantities of the tank mix can cause severe damage or destruction to the crops, plants or other areas on which treatment was not intended. The likelihood of injury occurring from drift of this product is greatest when winds are gusty or in excess of 5 miles per hour. Even under lesser wind velocities, avoid conditions that allow spray drift to occur such as combinations of spray pressure and nozzle type that will result in fine particles (mist) that are likely to drift.

DIRECTIONS FOR USE IN FALLOW LAND

VOLUNTEER Herbicide may be used to control annual and perennial grasses in land that has been left fallow the previous year and other non-producing agricultural areas. Apply VOLUNTEER Herbicide at 6 to 8 fl. oz./A for annual grasses and 8 to 16 fl. oz./A for perennial grasses. When both grass and broadleaf weeds are the target pest, VOLUNTEER Herbicide may be tank mixed with 2,4-D ester or Banvel® SGF Herbicide for broad spectrum control. When both annual and perennial grasses occur in the same field, use a minimum of 8 fl. oz./A VOLUNTEER Herbicide rate.

GENERAL INFORMATION

- Use a minimum spray volume of 5 gals./A for aerial applications and 15 gals./A for ground applications
- Apply only to actively growing grasses when the first grass reaches the recommended weed height as specified by the **Recommendations for Annual and Perennial Grasses** section of this label.
- Annual grasses which emerge after the VOLUNTEER Herbicide application will not be controlled, and a second application may be necessary.
- The control of perennial grasses may require more than one application in non-tilled areas.
- Do not plant any crop for 30 days after application unless clethodim is registered for use in that crop.
- Do not apply to grasses that have tillered, formed seedheads or exceeded recommended growth stage.
- Do not use flood jet nozzles.
- Do not apply to drought-stressed grasses.
- Do not mow area for two weeks prior to or after the VOLUNTEER Herbicide application.

VOLUNTEER HERBICIDE IN TANK MIXES TO CONTROL ANNUAL AND PERENNIAL GRASSES IN FALLOW LAND

PRODUCT	APPLICATION RATES/ACRE ⁽¹⁾		
	ANNUAL GRASSES	PERENNIAL GRASSES	CROP OIL CONC. ⁽²⁾
VOLUNTEER Herbicide	6 to 8 fl. oz.	8 to 16 fl. oz.	1% v/v
+			
2,4-D ester or		0.5 lb./A	
Banvel SGF	See Banvel SGF label for rates.		

(1) Refer to VOLUNTEER Herbicide label for weed height and species control. Review Banvel SGF Herbicide and 2,4-D labels for crop restrictions, use rates and weeds controlled.

(2) Always use a crop oil concentrate or methylated seed oil containing at least 15% emulsifier at the listed rate (but not less than 1 pt./A) in the finished spray volume.

**VOLUNTEER HERBICIDE FOR THE CONTROL AND/OR SUPPRESSION OF TALL FESCUE IN NATIVE PRAIRIE
WARM-SEASON GRASS RESTORATION PROJECTS**

PRODUCT	PRODUCT RATES	GRASS WEEDS CONTROLLED/SUPPRESSED		WEED STAGES
		COMMON NAME	SCIENTIFIC NAME	
VOLUNTEER Herbicide	10 to 12 fl. oz./A	Tall Fescue	<i>Festuca arundinacea</i>	4 to 6 in. (40 to 60% green-up)

Adjuvant: VOLUNTEER Herbicide must be applied with crop oil concentrate at 1 qt./A, plus a spray grade ammonium sulfate at 2.5 to 4 lbs./A.

Recommended Mixing Order: Thoroughly mix spray grade ammonium sulfate in water, add VOLUNTEER Herbicide, then add crop oil concentrate.

SPECIAL APPLICATION INSTRUCTIONS/PRECAUTIONS
<p>Burn or mow fields a minimum of 3 weeks prior to application to remove excess crop residue. Apply in the spring, at 40 to 60% tall fescue green-up, prior to emergence of warm-season grasses. Do not mow area for 2 weeks after the VOLUNTEER Herbicide application.</p> <p>Apply in a minimum of 15 to 20 gals. of water per acre at a spray pressure of 40 to 60 PSI at the nozzle. Apply using flat fan or hollow cone nozzles. Do not use flood nozzles.</p> <p>Apply only to fields that have warm-season grasses established for two years. Applications of VOLUNTEER Herbicide to emerged warm-season grasses may cause injury. Do not apply to warm-season grasses grown for seed.</p> <p>Do not graze treated fields or feed treated forage and/or hay to livestock. Do not plant any crop for 30 days after application, unless clethodim is registered for use in that crop.</p> <p>NOTE: VOLUNTEER Herbicide applications are most effective if applied when average nighttime temperatures are consistently greater than or equal to 47 degrees Fahrenheit.</p>

**VOLUNTEER HERBICIDE FOR THE SUPPRESSION OF TALL FESCUE SEED-HEADS IN NON-PRODUCING
AGRICULTURAL AREAS**

PRODUCT	PRODUCT RATE	SUPPRESSION	APPLICATION TIMING
VOLUNTEER Herbicide	1-1/2 to 2 fl. oz./A	Tall Fescue Seed-Heads (<i>Festuca arundinacea</i>)	(50 to 90% Tall Fescue green-up)

Adjuvant: VOLUNTEER Herbicide must be applied with crop oil concentrate at 1 qt./A, plus a spray grade ammonium sulfate at 2.5 to 4 lbs./A.

Recommended Mixing Order: Thoroughly mix spray grade ammonium sulfate in water, add VOLUNTEER Herbicide, then add crop oil concentrate.

SPECIAL APPLICATION INSTRUCTIONS/PRECAUTIONS
<p>Apply at 50 to 90% tall fescue green-up.</p> <p>Use the higher VOLUNTEER Herbicide rate if less tall fescue green matter is present.</p> <p>Do not mow area for two weeks after the VOLUNTEER Herbicide application.</p> <p>Apply in a minimum of 15 to 20 gals. of water per acre at a spray pressure of 40 to 60 PSI at the nozzle. Apply using flat fan or hollow cone nozzles. Do not use flood nozzles.</p> <p>2-4-D ester may be added to this tank mix for broadleaf control (see 2,4-D ester label for weeds controlled).</p> <p>Do not graze treated fields or feed treated forage and/or hay to livestock. Do not plant any crop for 30 days after application, unless clethodim is registered for use in that crop.</p>

STORAGE AND DISPOSAL

PROHIBITIONS

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

Open dumping is prohibited.

STORAGE

Keep pesticide in original container.

Do not put concentrate or dilute into food or drink containers.

Store in cool, dry place.

Do not store diluted spray.

Emergency Response: For help with any spill, leak, fire or exposure involving this material, call day or night 1-800-892-0099.

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

Triple rinse (or equivalent). Do not reuse container. Offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Banvel, Blazer and Storm - Reg. TMs of BASF Corporation
Basagran and Galaxy - Reg. TMs of BASF AG
Baythroid and Sencor - Reg. TMs of Bayer Corporation
Betamix, Betanex, BXN and Liberty Link - Reg. TMs of The Aventis Group
Buctril - Reg. TM of Rhone Poulenc
Classic - Reg. TM of E.I. duPont de Nemours & Co., Inc.
Cobra and Resource - Reg. TMs of Valent U.S.A. Corporation
Danitol - Reg. TM of Sumitomo Chemical Company, Ltd.
Dual, Dual II, Dual Magnum, Flexstar, Reflex, Warrior - Reg. TMs of Syngenta
FirstRate, Frontrow, Lorsban and Stinger - TM and Reg. TMs of Dow AgroSciences LLC
IMI-Corn - Reg. TM of American Cyanamid Co.
Prowl, Pursuit and Raptor - Reg. TMs of BASF
Orthene - Reg. TM of OMS Investments, Inc.
Pounce - Reg. TM of FMC Corporation
Roundup, Roundup Original, Roundup Ready, Roundup Ultra and Roundup UltraMax - TMs and Reg. TMs of Monsanto
Synchrony STS - TM and Reg. TM of DuPont
Volunteer - Reg. TM of Tenkoz, Inc.

Distributed by:

TENKoZ Inc.

100 North Point Center East, Suite 330
Alpharetta, GA 30022-8242

Form 1507-A, Made in U.S.A.

EPA Reg. No. 59639-3-55467

Information contained in this booklet is accurate at the time of printing. Since product testing is a continuous process, please read and follow the directions on the product label for the most current directions and precautionary statements.

Always check with your state to verify state registration status.