

U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs Registration Division (7505P) Ariel Rios Building 1200 Pennsylvania Ave., NW Washington, D.C. 20460

NOTICE OF PESTICIDE:

_x_Registration __Reregistration (under FIFRA, as amended)

EPA Reg. Number:	Date of Issuance:
66222-253	
-	MAR 2 1 2013
Term of Issuance: ui	nconditional
Name of Pesticide Pro	oduct:

Temper

Name and Address of Registrant (include ZIP Code):

Makhteshim Agan of North America, Inc. 3120 Highwoods Blvd., Suite 100 Raleigh, NC 27604

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the selection of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

The basic formulation (dated 11/01/2012) is acceptable and will be added to your file.

This product is registered in accordance with FIFRA section 3(c)(5) provided that you:

- 1. Submit and/or cite all data required for registration review/reregistration of your product when the Agency requires all registrants of similar products to submit data.
- 2. Make the following label revision(s):
 - a. Revise "EPA Reg. No.66222-xxx" to "EPA Reg. No. 66222-253."
 - b. Assure that the EPA establishment number and net contents are also added to the final printed label.
- 3. Per 40 CFR 156.10(6), submit one copy of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec.6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. If you have any questions regarding this notice, please contact Beth Benbow of my staff at benbow.bethany@epa.gov.

Signature of Approving Official:		
Kathryn V. Montague Project Manager 23 Herbicide Branch	Date:	MAR 2 1 2013
Registration Division (7505P)		
Registration Division (75051)		

ACCEPTED

MAR 2 1 2013
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended for the pesticide
registered under
EPA Reg. No. 66222-253

Group	10	Herbicide

TEMPER TM

A non-selective herbicide for post emergence weed control in apples, berries, grapes and tree nuts. TEMPER may also be applied for potato vine desiccation. TEMPER is also a non-selective herbicide for post emergence broadcast use on canola, field corn, cotton and soybean designated as LibertyLink. TEMPER may also be applied as a broadcast burndown application before planting or prior to emergence of any conventional or transgenic variety of canola, field corn, cotton, soybean or sugar beet.

ACTIVE INGREDIENT:

Glufosinate-ammonium (CAS No. 77182-82-2)	24.5%**
OTHER INGREDIENTS:	<u>75.5%</u>
TOTAL:	100.0%

^{**}Equivalent to 2.34 pounds of active ingredient per U.S. gallon.

EPA Reg. No. 66222-メンチン スプュ

EPA Est. No.

Manufactured for:

Makhteshim Agan of North America, Inc. 3120 Highwoods Blvd., Suite 100 Raleigh, NC 27604

NET CONTENTS:

Gallon(s)

KEEP OUT OF REACH OF CHILDREN

WARNING - AVISO

Si usted no entienda 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.

	FIRST AID
IF ON SKIN OR CLOTHING	Take off contaminated clothing. Wash skin immediately with plants of soon and water.
CLOTHING	Wash skin immediately with plenty of soap and water.Get medical attention.
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.
IF SWALLOWED	Get medical attention if irritation develops or persists. Pince mouth there will be plant to of units.
IF SWALLOWED	Rinse mouth thoroughly with plenty of water.Do not induce vomiting.
	Get medical attention immediately.
	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 PROSAR at 1-877-250-9291 for emergency medical treatment information.

NOTE TO PHYSICIAN – If this product is ingested, endotracheal intubation and gastric lavage should be performed as soon as possible, followed by charcoal and sodium sulfate administration.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS WARNING

May be fatal if absorbed through skin. Causes substantial but temporary eye injury. Harmful if swallowed. Do not get in eyes, on skin, or on clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

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 C on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear:

- Coveralls worn over short-sleeved shirt and short pants;
- Chemical-resistant gloves such as barrier laminate, butyl rubber ≥14 mils, nitrile rubber ≥14 mils, neoprene rubber ≥14 mils, polyvinyl chloride (PVC) ≥14 mils, or Viton® ≥14 mils
- · Chemical resistant footwear plus socks;
- Protective eyewear (goggles, face shield or safety glasses);
- Wear a chemical resistant apron when mixing/loading and cleaning equipment.

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 exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Mixers/loaders supporting aerial applications must wear a dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C), or a NIOSH approved respirator with any N, R, P or HE filter.

When mixing and loading wear a chemical-resistant apron. For overhead exposure wear chemical-resistant headgear. When cleaning equipment wear a chemical-resistant apron.

Engineering Control Statement:

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should:

Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

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 or to areas where surface water is present. Do not apply to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of equipment wash waters.

This pesticide is toxic to vascular plants and should be used strictly in accordance with the drift and runoff precautions on this label in order to minimize off-site exposures.

Under some conditions, this product may have a potential to run-off to surface water or adjacent land. Where possible, use methods which reduce soil erosion, such as no till, limited till and contour plowing; these methods also reduce pesticide run-off. Use of vegetation filter strips along rivers, creeks, streams, wetlands, etc. or on the downhill side of fields where run-off could occur to minimize water runoff is recommended.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not use this product until you have read the entire label. 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. In the State of New York Only: Not For Use In Nassau and Suffolk Counties.

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 12 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 worn over short-sleeved shirt and short pants
- Chemical resistant gloves such as barrier laminate, butyl rubber ≥14 mils, nitrile rubber ≥14 mils, neoprene rubber >14 mils, polyvinyl chloride (PVC) >14 mils or Viton® >14 mils
- Chemical resistant footwear plus socks
- Protective eyewear (goggles, face shield or safety glasses)

IMPORTANT CROP SAFETY INFORMATION READ BEFORE USING THIS PRODUCT

TEMPER may be applied as a burndown treatment prior to planting or prior to emergence of any conventional or transgenic variety of canola, corn, cotton, soybean or sugar beet.

Post emergence row crop applications of TEMPER may be made only to crops tolerant to the active ingredient in this product. Makhteshim Agan of North America, Inc. does not warrant the use of this product on crops other than those designated as LibertyLink® to safely withstand the application of TEMPER.

The basis of selectivity of TEMPER in crops is the presence of a gene in LibertyLink crops which results in a plant that is tolerant to the active ingredient of TEMPER. Crops not containing this gene will not be tolerant to TEMPER and severe crop injury and/or death may occur. Do not allow spray to contact foliage or green tissue of desirable vegetation other than crops tolerant to the active ingredient in this product.

TEMPER may be applied to conventional or other transgenic cotton not tolerant to the active ingredient in TEMPER using a hooded sprayer.

5/22

Applications to apples, berries, tree nuts, and vines should avoid contact of TEMPER solution, spray, drift or mist with green bark, stems, or foliage, as injury may occur to trees, berries and vines. Only trunks with callused, mature brown bark should be sprayed unless protected from spray contact by nonporous wraps, grow tubes or waxed containers. Contact of TEMPER with parts of trees, berries or vines other than mature brown bark can result in serious damage.

PRODUCT INFORMATION

TEMPER is a water-soluble herbicide for application as a foliar spray for the control of a broad spectrum of emerged annual and perennial grass and broadleaf weeds in LibertyLink® canola, LibertyLink® corn, LibertyLink® cotton, and LibertyLink® soybean, and in apples, berries, grapes, and tree nuts. TEMPER may also be applied for potato vine desiccation. TEMPER may also be applied as a broadcast burndown application before planting or prior to emergence of any conventional or transgenic variety of canola, corn, cotton, soybean or sugar beet.

TEMPER is only foliar-active with little or no activity in soil. Weeds that emerge after application will not be controlled. Apply TEMPER to actively growing weeds as described in the Weed Control for Row Crops section to get maximum weed control. Uniform, thorough spray coverage is necessary to achieve consistent weed control. Necrosis of leaves and young shoots occur within 2 to 4 days after application under good growing conditions.

- TEMPER is rainfast four (4) hours after application to most weed species; therefore, rainfall within four (4) hours may necessitate retreatment or may result in reduced weed control.
- Applications should be made between dawn and 2 hours before sunset to avoid the possibility of reduced lambsquarters and velvetleaf control.
- Weed control may be reduced if application is made when heavy dew, fog and mist/rain are
 present; or when weeds are under stress due to environmental conditions such as drought, cool
 temperatures or extended periods of cloudiness.
- To maximize weed control, do not cultivate from 5 days before an application to 7 days after an application.

ROTATIONAL CROP RESTRICTIONS*

Rotational crop planting intervals following application of TEMPER are listed below. Failure to comply with these restrictions may result in illegal residues in rotated crops.

Rotational Crop	Plant Back Interval (Minimum Rotational Crop Planting Interval from Last Application)
Canola, Field Corn, Cotton, Rice, Soybeans, and Sugar beets	May be planted at any time
Root and Tuber Vegetables, Leafy Vegetables, Brassica Leafy Vegetables and Small Grains (barley, buckwheat, oats, rye, teosinte, triticale, and wheat)	70 Days
All Other Crops	180 Days

^{*}See Application Directions for Potato Vine Desiccation for Rotational Crop Restrictions specifically after TEMPER applications to potatoes.

Integrated Weed Management

The active ingredient in LIBERTY 280 SL HERBICIDE is glufosinate-ammonium, which is a glutamine synthetase inhibitor (Group 10). Integrated weed management guidelines promote an economically viable, environmentally sustainable, and socially acceptable weed control program regardless of the herbicide(s) used. The highlights of a successful integrated weed management include:

- 1. Correctly identify weeds and look for trouble areas within field to identify resistance indicators.
- 2. Rotate crops.
- 3. Start the growing season with clean fields.

- 4. Rotate herbicide modes of action by using multiple modes of action during the growing season and apply no more than two applications of a single herbicide mode of action to the same field in a two-year period. One method to accomplish this is to rotate herbicide tolerant trait systems.
- 5. Apply listed rates of herbicides to actively growing weeds at the correct time with the right application techniques.
- 6. Control any weeds that may have escaped the herbicide application.
- 7. Thoroughly clean field equipment between fields.

Contact your local agronomic advisor for more specific information on integrated weed management for your area.

APPLICATION AND MIXING PROCEDURES

Ground Application: TEMPER should be applied broadcast in a minimum of 15 gallons of water per acre. Under dense weed/crop canopies, 20 to 40 gallons of water per acre should be used so that thorough spray coverage will be obtained. Apply TEMPER using nozzles and pressures that generate MEDIUM (about 250 to 350 microns) spray droplets category as reported by the nozzle manufacturer and in accordance to ASABE S 572. Do not use nozzles and pressures that result in COARSE sprays. FINE sprays should also be avoided to minimize spray drift risk. Boom height should be based on nozzle manufacturer recommendations. See the Spray Drift Management section of this label for additional information on proper application of TEMPER.

Aerial Application: Poor coverage will result in reduced weed control. For optimal weed control, apply TEMPER in a minimum of 10 gallons per acre. Apply TEMPER using nozzles and pressures that generate MEDIUM (about 300 to 400 microns) spray droplets category as reported by the nozzle manufacturer and in accordance to ASABE S 572 based upon the selected air speed. Do not use nozzles and pressures that result in COARSE sprays. FINE sprays should also be avoided to minimize spray drift risk. See the Spray Drift Management section of this label for additional information on proper application of TEMPER.

COMPATIBILITY TESTING

If TEMPER is to be mixed with pesticide products not listed on this label, test the compatibility of the intended tank mixture prior to mixing the products in the spray tank. The following procedure assumes a spray volume of 25 gallons per acre. For other spray volumes, adjust the amount of the water used accordingly. Check compatibility as follows:

- 1. Place 1.0 pint of water from the source that will be used to prepare the spray solution in a clear 1-quart jar.
- 2. For each pound of a dry tank mix partner to be applied per acre, add 1.5 teaspoons to the jar.
- 3. For each 16 fl oz of a liquid tank mix partner to be applied per acre, add 0.5 teaspoon to the jar.
- 4. For each 16 fl oz of TEMPER to be applied per acre, add 0.5 teaspoon to the jar.
- 5. After adding all the ingredients, place a lid on the jar and tighten. Invert 10 times to mix.
- 6. Let the mixture stand for 15 minutes, and evaluate the solution for uniformity and stability. Look for separation, large flakes, precipitates, gels, heavy oily film on the jar, or other signs of incompatibility. If the tank mix partners are not compatible, do not use the mixture in a spray tank.
- 7. After compatibility testing is complete, dispose of any pesticide wastes in accordance with the Storage and Disposal section of this label.

MIXING INSTRUCTIONS

Tank Mix: TEMPER may be applied in tank mix combinations with labeled rates of other products provided these other products are labeled for the timing and method of application for the crop to be treated. The tank mix partner must be used in accordance with the label limitations and precautions. No label dosage rates may be exceeded. TEMPER cannot be mixed with any product containing a label prohibition against such mixing. Refer to the specific crop section for rates and other restrictions.

TEMPER must be applied with properly calibrated and clean equipment. TEMPER is formulated to mix readily in water. Prior to adding TEMPER to the spray tank, ensure that the spray tank is thoroughly

clean, particularly if a herbicide with the potential to injure crops was previously used (see Cleaning Instructions).

Mix TEMPER with water to make a finished spray solution as follows:

- 1. Fill the spray tank half full with water.
- 2. Start agitation.
- 3. If mixing with a flowable/wettable powder tank mix partner. Prepare a slurry of the proper amount of the product in a small amount of water. Add the slurry to the spray tank.
- 4. Add the appropriate amount of ammonium sulfate (AMS) to the spray tank.
- 5. If mixing with a liquid tank mix partner, add the liquid mix partner next.
- 6. Complete filling the spray tank with water.
- 7. Add the proper amount of TEMPER and continue agitation.
- 8. If foaming occurs, use a silicone-based antifoam agent.

Ensure that all spray system lines including pipes, booms, etc. have the correct concentration of spray solution by flushing out the spray system lines before starting the crop application.

If tank mix partners on this label are added, maintain good agitation at all times until contents of the tank are sprayed. If the spray mixture is allowed to settle, thorough agitation is required to resuspend the mixture before spraying is resumed. Keep bypass line on or near bottom of tank to minimize foaming. Screen size in nozzles or line strainers must be 50 mesh or larger.

CLEANING INSTRUCTIONS

Before using TEMPER, thoroughly clean bulk storage tank, refillable tank, nurse tanks, spray tank, lines, and filter, particularly if a herbicide with the potential to injure crops was previously used. Equipment should be thoroughly rinsed using a commercial tank cleaner.

After using TEMPER, triple rinse the spray equipment and clean with a commercial tank cleaner before using for crops not labeled LibertyLink. Make sure any rinsate or foam is thoroughly removed from spray tank and boom. Rinsate may be disposed following the pesticide disposal directions on this label.

SPRAY DRIFT MANAGEMENT

Spray drift may result in injury to non target crops or vegetation. To avoid spray drift, do not apply when wind speed is greater than 10 MPH or during periods of temperature inversions. Do not apply when weather conditions, wind speed, or wind direction may cause spray drift to non-target areas. AVOIDING SPRAY DRIFT AT THE APPLICATION SITE IS THE RESPONSIBILITY OF THE APPLICATOR.

- All aerial and ground application equipment must be properly maintained and calibrated using appropriate carriers.
- For all non-aerial applications, wind speed must be measured adjacent to the application site, on the upwind side, immediately prior to application.

Sensitive Areas: The pesticide should only be applied when the potential for drift to adjacent sensitive areas (e.g., residential areas, bodies of water, known habitats for threatened or endangered species, non-target crops) is minimal (e.g., when wind is blowing away from the sensitive areas).

Do not apply under circumstances where possible drift to unprotected persons or to food, forage, or other plantings that might be damaged or crops thereof rendered unfit for sale, use or consumption can occur.

Aerial Drift Management: The following drift management requirements must be followed to avoid off-target drift movement from aerial applications to agricultural field crops.

1. The distance of the outer most nozzles on the boom must not exceed 3/4 the length of the wingspan or rotor.

2. Nozzles must always point backward parallel with the air stream and never be pointed downwards more than 45 degrees.

Where states have more stringent regulations, they must be observed. The applicator should be familiar with and take into account the information covered in the Aerial Drift Reduction Advisory Information.

AERIAL DRIFT REDUCTION ADVISORY INFORMATION

Information on Droplet Size: The most effective way to reduce drift potential is to apply large droplets. The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. Applying larger droplets reduces drift potential, but will not prevent drift if applications are made improperly, or under unfavorable environmental conditions (see Wind, Temperature and Humidity, and Temperature Inversions on next page). AVOIDING SPRAY DRIFT AT THE APPLICATION SITE IS THE RESPONSIBILITY OF THE APPLICATOR.

Controlling Droplet Size:

Volume: Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.

Pressure: Do not exceed the nozzle manufacturer's recommended pressures. For many nozzle types lower pressure produces larger droplets. When higher flow rates are needed, use higher flow rate nozzles instead of increasing pressure.

Number of Nozzles: Use the minimum number of nozzles that provide uniform coverage.

Nozzle Orientation: Orienting nozzles so that the spray is released parallel to the airstream produces larger droplets than other orientations and is the recommended practice. Significant deflection from horizontal will reduce droplet size and increase drift potential.

Nozzle Type: Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid stream nozzles oriented straight back produce the largest droplets and the lowest drift.

Boom Length: For some use patterns, reducing the effective boom length to less than ¾ of the wingspan or rotor length may further reduce drift without reducing swath width.

Application Height: Applications should not be made at a height greater than 10 feet above the top of the largest plants unless a greater height is required for aircraft safety. Making applications at the lowest height that is safe reduces exposure of droplets to evaporation and wind.

Swath Adjustment: When applications are made with a crosswind, the swath will be displaced downward. Therefore, on the up and downwind edges of the field, the applicator must compensate for this displacement by adjusting the path of the aircraft upwind. Swath adjustment distance should increase, with increasing drift potential (higher wind, smaller drops, etc.)

Wind: Drift potential is lowest between wind speeds of 2 -10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given speed. Applications should be avoided below 2 miles per hour due to variable wind direction and high inversion potential. NOTE: Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift.

Temperature and Humidity: When making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry. Avoid spraying during conditions of low humidity and/or high temperatures.

Temperature Inversions: Do not make aerial or ground applications into areas of temperature inversions. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light variable winds common during inversions. Temperature inversions are characterized by increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

APPLICATION DIRECTIONS FOR USE ON LISTED TREE, VINE, AND BERRY CROPS

Apply TEMPER to the tree, vine, and berry crops listed below. Uniform, thorough spray coverage is necessary to achieve consistent weed control.

REGISTERED CROPS

- Tree Nuts: almonds, filberts, hickory nuts, macadamia nuts (bush nuts), pecans, pistachios, and walnuts
- Tree Fruits: apples
- Vineyards: all grape varieties (table, wine, and raisins)
- Bushberries: blueberry, currant, elderberry, gooseberry, and huckleberry
- · Other Berries: lingonberry, juneberry, and salal

APPLICATION RATE AND TIMING

For best results, apply to emerged, young, actively growing weeds. Warm temperatures, high humidity, and bright sunlight improve the performance of TEMPER. Refer to the Weed Control for Row Crops section of this label for selection of the proper rate dependent upon weed species present and size. Weeds under stress or in dense populations will require application at the highest specified label use rate. Stressed conditions also include prior treatments of other contact or systemic herbicides. Do not retreat these weeds with TEMPER until sufficient regrowth has occurred.

Apply TEMPER as a directed spray to control undesirable vegetation in tree, vine and berries listed on this label. Apply as a broadcast, banded, or spot treatment application depending on the situation to control weeds listed under the heading "Weeds Controlled in Tree, Vine and Berry crops". Avoid direct spray or drift to desirable vegetation. Regrowth may occur due to the weed stage of growth at application, low use rate, or environmental conditions. Repeat applications of TEMPER may be necessary to control plants generating from underground parts or seed.

Avoid contact of TEMPER solution, spray, drift or mist with green bark, stems, or foliage, as injury may occur to trees and vines. Only trunks with callused, mature brown bark should be sprayed unless protected from spray contact by nonporous wraps, grow tubes or waxed containers. Contact of TEMPER with parts of trees or vines other than mature brown bark can result in serious damage.

Application Methods for Broadcast Applications

Apply TEMPER at the rates listed below for broadcast applications based on weed size and stage of growth.

Weed Size and Stage	TEMPER Rate		
Weeds < 3" in height	48 fl oz/A		
Weeds < 6" in height pre-tiller grasses	56 fl oz/A		
Weeds > 6" in height and/or grasses that have	56-82 fl oz/A	,	
tillered			

Application Methods for Banded Spray Applications

Banded applications may be used using the following formula to calculate the amount of herbicide needed for orchard or vineyard strip sprays:

Band width in inches

X Rate per acre =

= Amount of herbicide needed for treatment

Row width in inches broadcast

Application Methods for Spot or Directed-Spray Applications

For spot or directed spray application by backpack sprayers only (no mechanically pressurized handgun applications allowed), mix TEMPER at 1.7 fl oz of product per gallon of water. Apply to undesirable vegetation foliage until wet but prior to runoff. Ensure uniform and complete coverage. Thoroughly clean the sprayer following use. DO NOT make spot or directed spray applications to tree or vine trunk as injury may occur.

Weeds Controlled in Tree, Vine and Berry Crops

Weeds Controlled in Tree, whie and Berry Crops			
Alkali sida	Fleabane, annual	Morningglory,	Redmaids
Ammannia, purple	Goosefoot	entireleaf	Shepherd's-Purse
Arrowhead,	Gromwell, field	Morningglory, ivyleaf	Smartweed,
California	Groundcherry,	Morningglory, pitted	Pennsylvania
Buckwheat, wild	cutleaf	Mullein, turkey	Sowthistle, annual
Buffalobur	Groundsel, common	Mustard, wild	Spurge, prostrate
Burclover, California	Henbit	Nettle	Starthistle, yellow
Carpetweed	Jimsonweed	Nightshade, black	Sunflower, common
Chickweed, common	Knotweed	Nightshade, eastern	Sunflower, prairie
Chinese thornapple	Kochia	black	Sunflower, volunteer
Cocklebur, common	Lambsquarters,	Nightshade, hairy	Swinecress
Cudweed	common	Pennycress	Thistle, Russian
Cutleaf	Lettuce, miner's	Pigweed, redroot	Turnip, wild
eveningprimrose	Lettuce, prickly	Pineapple-weed	Velvetleaf
Dodder	London rocket	Puncturevine	Vervain
Eclipta	Mallow, common	Purslane, common	Vetch
Fiddleneck	Malva (little mallow)	Radish, wild	Virginia copperleaf
Filaree	Marestail	Ragweed, common	Willowherb, panicle
Filaree, redstem	Mayweed	Ragweed, giant	

Grass Weeds

Barnyardgrass	Crabgrass, smooth	Junglerice	Shattercane
Bluegrass, annual	Cupgrass, woolly	Oat, wild	Sprangletop
Brome, ripgut	Foxtail, giant	Panicum, fall	Stinkgrass
Bromegrass, downy	Foxtail, green	Panicum, Texas	Wheat, volunteer
Canarygrass	Foxtail, yellow	Rush, toad**	Windgrass
Chess, soft	Goosegrass	Ryegrass, annual	Witchgrass
Crabgrass, large	Johnsongrass, seedling	Sandbur, field	
	0000g		

Biennial and Perennial Weeds

Aster, white heath	Dallisgrass	Mullein, common	Rocket, yellow
Bindweed, field	Dandelion	Mustard, tansy	Rose, wild
Bindweed, hedge	Dock, curly	Nutsedge, purple	Rubus spp
Bluegrass, Kentucky	Dogbank (hemp)	Nutsedge, yellow	Spurge, leafy
Bromegrass, smooth	Fescue	Onion, wild	Thistle, bull
Bulrush**	Goldenrod, gray	Orchardgrass	Thistle, musk
Burdock	Guineagrass	Paragrass	Torpedograss
Canada thistle	Horsetail	Plantain	Vaseygrass
Clover, Alsike	Lovegrass	Poison ivy/oak	Woodsorrel

Clover, red	Mugwort	Quackgrass	Yarrow, common
Clover, white			

^{**}indicates suppression

RESTRICTIONS TO THE DIRECTIONS FOR USE ON TREE, VINE, AND BERRY CROPS

- 1. **DO NOT** apply more than 164 fl oz of TEMPER per acre (3 lbs ai/A) to berry bushes in a 12-month period. Do not make more than 2 applications at a maximum rate of 82 fl. oz (1.5 lbs ai) per acre per application.
- 2. **DO NOT** apply more than 246 fl oz of this product per acre (4.5 lbs. ai/A) to tree nuts, vines, and tree fruits in any calendar year. Do not make more than 3 applications at a maximum rate of 82 fl. oz. (1.5 lbs. ai) per acre per application.
- 3. DO NOT graze, harvest, and/or feed treated orchard cover crops to livestock.
- 4. **DO NOT** apply this product through any type of irrigation system.
- 5. **DO NOT** apply this product aerially to tree, berry, or vine crops.
- 6. DO NOT apply this product within 14 days of nut, apple, berry or grape harvest.
- 7. **DO NOT** make spot spray applications to apple suckers, as tree injury may occur.

TANK MIX PARTNER

TEMPER does not provide residual weed control or control of unexposed plant parts. Certain herbicide tank mixes may aid in the performance of TEMPER or be added to provide residual herbicide activity. No additional surfactant is needed with any tank mix partner. TEMPER may be applied in tank mix combinations with labeled rates of other products provided these other products are labeled for the timing and method of application for the crop to be treated. The tank mix partner must be used in accordance with the label limitations and precautions. No label dosage rates may be exceeded. TEMPER cannot be mixed with any product containing a label prohibition against such mixing.

Chateau	Karmex® DF	Simazine 80W	Solicam® DF
Devrinol® 50WP	Princep®4L	Simazine 90	Surflan®A.S.
Goal®1.6E	Simazine 4L	Sinbar®80W	

APPLICATION DIRECTIONS FOR POTATO VINE DESICCATION

APPLICATION RATE AND TIMING

Apply TEMPER at the beginning of natural senescence of potato vines. Apply 21 fl oz/A. Do not split this application or apply more than one application per harvest. Potato varieties with heavy or dense vines may require an application of another desiccation product to complete vine desiccation.

Thorough coverage of the potato vines to be desiccated is essential. Use a sufficient volume of water (20 to 100 gpa) to obtain a thorough coverage of the potato vines. Vary the gallons of water per acre and the spray pressure as indicated by the density of the potato vines to assure thorough spray coverage. Increase the spray volume to at least 30 gallons of water per acre when the potato vine canopy is dense or under cool and dry conditions. Apply TEMPER with the spray boom as low as possible to achieve thorough coverage of the potato vines for best control and to minimize drift potential.

RESTRICTIONS TO THE DIRECTIONS FOR USE IN POTATO VINE DESICCATION

- 1. **DO NOT** apply more than 21 fl oz/A to potato vines per season.
- 2. **DO NOT** harvest potatoes until 9 days or more after application of TEMPER.
- 3. **DO NOT** apply to potatoes grown for seed.
- 4. Canola, corn, cotton, rice, soybean, and sugar beets may be planted at any time after the application of TEMPER as a potato vine desiccant.
- 5. **DO NOT** plant treated areas to wheat, barley, buckwheat, millet, oats, rye, sorghum, and triticale until 30 or more days after an application of TEMPER as a potato vine desiccant.
- 6. **DO NOT** plant treated areas to crops other than those listed in this use precautions section until 120 or more days after an application of TEMPER as a potato vine desiccant.

WEED CONTROL FOR ROW CROPS

Rates in ounces of formulated product per acre for the control of weeds at selected heights are shown in the weed control tables. In weed populations with mixed species, apply at a rate needed for the species that requires the highest rate.

	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Weed Control		
		Weed Height	Maximum Weed		
Weed Species		eter (Inches)	Weed Species	or Diameter (Inches)	
	22 fl oz/A	29 fl oz/Aab		22 fl oz/A	29 fl oz/Aab
Amaranth, Palmer ²	3	4	Morningglory, sharppod ²	2	4
Anoda, spurred	3	5	Morningglory, Smallfflower ²	4	6
Beggarweed, Florida	4	5	Morningglory, tall ²	6	8
Black medic	5	7	Mustard, wild	4	6
Blueweed, Texas	5	7	Nightshade, black	4	6
Buckwheat, wild	6	7	Nightshade, eastern black	6	8
Buffalobur	6	7	Nightshade, hairy	6	8
Burcucumber	6	10	Pennycress (stinkweed)	4	6
Catchweed bedstraw (cleavers)	2	4	Pigweed, redroot ²	3	4
Carpetweed	4	6	Pigweed, prostrate ²	3	4
Chickweed, common	6	8	Pigweed, spiny ²	3	4
Cocklebur, common	6	14	Pigweed, smooth ²	3	4
Copperleaf, hophornbeam	4	6	Pigweed, tumble ²	3	4
Cotton, volunteer	6	8	Puncturevine	4	6
Croton, tropic	3	5	Purslane, common	2	4
Croton, woolly	2	4	Pusley, Florida	S	3
Eclipta	4	6	Ragweed, common	6	10
Devil's claw	2	4	Ragweed, giant	6	12
Fleabane, annual	6	8	Senna coffee	4	6
Galinsoga, hairy	6	8	Sesbania, hemp	6	8
Galinsoga, smallflower	6	7	Shepherd's-purse	6	8
Groundcherry, cutleaf	4	5	Sicklepod (Java bean)	4	6
Geranium, cutleaf	4	6	Sida, prickly	4	5
Hempnettle	4	6	Smartweed, Pennsylvania	6	14
Horsenettle, Carolina ³	2	4	Smellmelon	4	6
Jimsonweed	6	10	Sowthistle, annual	6	8
Knotweed	3	5	Soybeans, volunteer ¹	6.	8
Kochia ²	4	6	Spurge, prostrate	2	4
Ladysthumb	6	14	Spurge, spotted	2	4
Lambsquarters, common ²	4	6	Starbur, bristly	4	6
Mallow, common	4	6	Sunflower, common	6	14
Mallow, Venice	6	8	Sunflower, prairie	3	5
Marestail ³	S	6-12	Sunflower, volunteer	6	10
Marshelder, annual	4	6	Thistle, Russian ³	S	6-12
Morningglory, entireleaf ²	6	8	Velvetleaf ²	3	4

Morningglory, ivyleaf ²	6	8	Waterhemp, common ²	4	5
Morningglory, pitted ²	6	8	Waterhemp, tall ²	4	5

^a In cotton, TEMPER may be applied at 29 fl oz/A three times per season.

Volunteer LibertyLink crops from the previous season will not be controlled.

² For applications to corn, tank mixing with atrazine may enhance weed control of this species.

³ May require sequential applications for control.

,	·_~·	Grass W	eed Control		
Weed Species	Maximum Weed Height or Diameter (Inches)		Weed Species	Maximum Weed Height or Diameter (Inches)	
	22 fl oz/A	29 fl oz/Aab		22 fl oz/A	29 fl oz/Aab
Barley, volunteer3	3	4	Millet, wild proso	6	7
Barnyardgrass	3	5	Millet, proso volunteer	6	7
Bluegrass, annual	3	5	Oat, wild ²	3	4
Corn, volunteer1	10	12	Panicum, fall	3	5
Crabgrass, large ²	3	5	Panicum, Texas	4	6
Crabgrass, smooth ²	3	5	Rice, red	4	6
Cupgrass, woolly	6	12	Rice, volunteer1	4	6
Foxtail, bristly	6	8	Sandbur, field ²	S	2
Foxtail, giant	6	12	Shattercane	6	8
Foxtail, green	6	12	Signalgrass, broadleaf	3	5
Foxtail, robust purple	6	8	Sprangletop	4	6
Foxtail, yellow ²	3	4	Sorghum, volunteer	6	8
Goosegrass ³	2	3	Stinkgrass	4	6
Johnsongrass,	. 3	5	Wheat, volunteer ²	4	5
seedling					
Junglerice	3	5	Witchgrass	4.	6

^a In cotton, TEMPER may be applied at 29 fl oz/A three times per season.

³ A sequential application may be necessary for control.

	Biennial and F	Perennial Weeds				
	ennial and perennial weeds					
Alfalfa	applications of TEMPER (22 fl oz/A followed by 22 fl oz/A). Alfalfa Burdock Goldenrod, gray* Orchardgrass					
Artichoke, Jerusalem	Bursage, woolyleaf	Johnsongrass, rhizome	Poinsettia, wild			
Bermudagrass	Chickweed, mouseear	Milkweed, common*	Pokeweed			
Bindweed, field	Clover, Alsike	Milkweed, honeyvine*	Quackgrass*			
Bindweed, hedge	Clover, red	Muhly, wirestem*	Sowthistle, perennial			
Bluegrass, Kentucky	Dandelion	Nightshade, silverleaf	Thistle, bull			
Blueweed, Texas	Dock, smooth	Nutsedge, purple*	Thistle, Canada			
Bromegrass, smooth	Dogbane, hemp*	Nutsedge, yellow*	Timothy*			
			Wormwood, biennial			

^b Do not apply more than 22 fl oz/A of TEMPER post emergence in a single application to canola and

S Indicates suppression

b Do not apply more than 22 fl oz/A of TEMPER post emergence to canola and corn.

S Indicates suppression

¹ Volunteer LibertyLink crops from the previous season will not be controlled. A timely cultivation 7 to 10 days after an application and/or retreatment 10-21 days after the first application for controlling dense clumps of volunteer corn or rice.

For best control of yellow foxtail, field sandbur, crabgrass, and wild oats, treat prior to tiller initiation.

*Suppression Only

APPLICATION DIRECTIONS FOR BURNDOWN USE

TEMPER may be applied as a burndown treatment prior to planting or prior to emergence of any conventional or transgenic variety of canola, corn, cotton, soybean or sugar beet. Apply a minimum of 29 fl oz/A of TEMPER for burndown of existing weeds just prior to planting or prior to emergence of canola, corn, cotton, soybean, or sugar beets. For best results, apply to emerged, young, actively growing weeds. Warm temperatures, high humidity, and bright sunlight improve the performance of TEMPER. Refer to the Weed Control for Row Crops section of this label for selection of the proper rate dependent upon weed species present and size.

- In cotton, if environmental conditions prevent timely applications, a single application may be made of up to 43 fl oz/A of TEMPER. If more than 29 fl oz/A are used in any single application, the season total may not exceed 72 fl oz/A, including all application timings.
- In canola, corn, soybean, and sugar beets, if environmental conditions prevent timely applications, a single application may be made of up to 36 fl oz/A of TEMPER. No additional applications of TEMPER may be made post emergence to the crop during the growing season.
- In soybeans, if environmental conditions prevent timely applications, a single application may be made up to 36 fl oz/A of TEMPER. If 29 36 fl oz/A are used in a single burndown application, one additional in-season application may be made at up to 29 fl oz/A. The season total may not exceed 65 fl oz/A, including all application timings.

	Burndown	In-Season Applications	Season Max
Cotton Use Pattern 1	29 fl oz/A	2 applications at 22- 29 fl oz/A	87 fl oz/A
Cotton Use Pattern 2	30-43 fl oz/A	1 application at 22- 29 fl oz/A	72 fl oz/A
Canola, Corn, , Sugar beets	29-36 fl oz/A	None	36 fl oz/A
Soybean	29-36 fl. Oz/A	1 application at 22 – 29 fl oz/A	65 fl oz/A

APPLICATION DIRECTIONS FOR USE ON CANOLA

Apply TEMPER only to canola labeled as LibertyLink. Uniform, thorough spray coverage is necessary to achieve consistent weed control.

APPLICATION RATE AND TIMING

For best results, apply to emerged, young, actively growing weeds. Warm temperatures, high humidity, and bright sunlight improve the performance of TEMPER. Refer to the Weed Control for Row Crops section of this label for selection of the proper rate dependent upon weed species present and size. For optimal yield, early season weed removal is important.

Applications of TEMPER on canola may be made from the cotyledon stage up to the early bolting stage of the canola. Slight discoloration of the canola may be visible after application. This effect is temporary and will not influence crop growth, maturity or yield.

Apply TEMPER at 22 fl oz/A per application. A second application of Glufosinate® 280 may be needed to control weeds that have not yet emerged at the time of application.

RESTRICTIONS TO THE DIRECTIONS FOR USE ON CANOLA

- **DO NOT** use on canola in the states of Alabama, Delaware, Georgia, Kentucky, Maryland, New Jersey, North Carolina, South Carolina, Tennessee, Virginia and West Virginia.
- DO NOT apply more than two applications of TEMPER per growing season.
- Sequential applications must be at least 10days apart.

- DO NOT apply TEMPER within 65 days of harvesting canola.
- DO NOT apply more than 44 fl oz/A of TEMPER per growing season.
- If TEMPER was used in a burndown application, no post emergence applications may be applied to the crop.
- DO NOT graze the treated crop or cut for hay.
- **DO NOT** apply TEMPER if canola shows injury from prior herbicide applications or environmental stress (drought, excessive rainfall, etc.).
- DO NOT apply this product through any type of irrigation system.
- Refer to the "Rotational Crop Restrictions" section under the "Information" heading of this label for the appropriate rotational crop plant back intervals.

SPRAY ADDITIVES

TEMPER must be applied with ammonium sulfate (AMS). Use only fine feed grade or spray grade AMS at 3 pounds per acre. Anti-foams or drift control agents may be added if needed. Use of additional surfactants or crop oils may increase risk of crop response.

CANOLA TANK MIX

TEMPER at 22 fl oz/A plus AMS may be used in tank-mix combination with certain herbicides for improved control of larger than labeled grasses. TEMPER may be applied in tank mix combinations with labeled rates of other products provided these other products are labeled for the timing and method of application for the canola to be treated. The tank mix partner must be used in accordance with the label limitations and precautions. No label dosage rates may be exceeded. TEMPER cannot be mixed with any product containing a label prohibition against such mixing. The AMS rate may be reduced to 1.5 lb/A when TEMPER is tank mixed with a reduced rate of one of the grass herbicides specified below.

Tank Mix Partner	Rate (fl oz/A)
Assure® II	4 -5 fl oz/A
Poast®	6 -8 fl oz/A
Select® 2EC	2 -3 fl oz/A
Select Max™	4 -6 fl oz/A

APPLICATION DIRECTIONS FOR USE ON FIELD CORN AND SILAGE CORN

Apply TEMPER only to corn labeled as LibertyLink. Uniform, thorough spray coverage is necessary to achieve consistent weed control.

APPLICATION RATE AND TIMING

For best results, apply to emerged, young, actively growing weeds. Warm temperatures, high humidity, and bright sunlight improve the performance of TEMPER. Refer to the Weed Control for Row Crops section of this label for selection of the proper rate dependent upon weed species present and size. For optimal yield, early season weed removal is important.

Applications of TEMPER on corn may be made with over-the-top broadcast or drop nozzles from emergence until corn is 24 inches tall or in the V-7 stage of growth, i.e., 7 developed collars, whichever comes first. For corn 24 inches to 36 inches tall, only apply TEMPER using ground application and drop nozzles and avoid spraying into the whorl or leaf axils of the corn stalks. Applications of TEMPER following the use of soil-applied insecticides will not injure corn.

Apply TEMPER at 22 fl oz/A per application. A second application of TEMPER or a tank mix application with a residual herbicide will be needed to control weeds that have not yet emerged at the time of application.

RESTRICTIONS TO THE DIRECTIONS FOR USE ON FIELD CORN AND SILAGE CORN

 DO NOT apply TEMPER within 60 days of harvesting corn forage and within 70 days of harvesting corn grain and corn fodder.

- DO NOT apply more than two applications of TEMPER to the corn crop. Sequential applications
 must be at least 10days apart.
- DO NOT apply more than 44 fl oz/A of TEMPER on corn per growing season.
- If TEMPER was used in a burndown application, no post emergence applications may be applied to the crop.
- DO NOT use nitrogen solutions as spray carriers. A silicone-based antifoam agent may be added
 if needed.
- DO NOT apply TEMPER if corn shows injury from prior herbicide applications or environmental stress (drought, excessive rainfall, etc.).
- **DO NOT** apply this product through any type of irrigation system.
- Refer to the "Rotational Crop Restrictions" section under the "Information" heading of this label for the appropriate rotational crop plant back intervals.

SPRAY ADDITIVES

For corn, TEMPER must be applied with ammonium sulfate (AMS). Use only fine feed grade or spray grade AMS at 3 lbs per acre (17 lbs/100 gallons). When temperatures exceed 85° F, the rate of AMS can be reduced to 1.5 lbs per acre (8.5 lbs/100 gallons) to reduce potential leaf burn.

Use of additional surfactants or crop oils may increase risk of crop response.

CORN TANK MIX

Certain herbicide tank mixes may aid in the performance of TEMPER. No additional surfactant is needed with any tank mix partner. TEMPER may be applied in tank mix combinations with labeled rates of other products provided these other products are labeled for the timing and method of application for the corn to be treated. The tank mix partner must be used in accordance with the label limitations and precautions. No label dosage rates may be exceeded. TEMPER cannot be mixed with any product containing a label prohibition against such mixing.

Corn Herbicide Tank Mix Partners

2,4-D	Camix®*	Laudis®	NorthStar™	Spirit®
Acetochlor	Distinct™	Lexar®*	pendimethalin**	Status®
Aim™*	Guardsman Max®	Lumax®*	Permit®	Yukon®
atrazine	Hornet® WDG	metolachlor*	Python® WDG	
Callisto™	Impact®	nicosulfuron	s-metolachlor*	

^{*}These products are tank mixed at 1/2 the use rate with TEMPER to reduce risk of crop response.

APPLICATION DIRECTIONS FOR USE ON COTTON

Uniform, thorough spray coverage is necessary to achieve consistent weed control. TEMPER may be applied as a broadcast, over-the-top, post-emergence spray or as a directed spray only to LibertyLink cotton. This product may be applied post-emergence to non-LibertyLink cotton varieties or cultivars by using equipment designed to minimize contact of the spray with the cotton foliage. See the Application Methods on Non- LibertyLink Cotton section for selection of shielding equipment. Severe injury or death may result if the TEMPER contacts the foliage or stems of cotton NOT labeled as LibertyLink.

APPLICATION RATE AND TIMING

For best results, apply to emerged, young, actively growing weeds. Warm temperatures, high humidity, and bright sunlight improve the performance of TEMPER. Refer to the Weed Control for Row Crops section of this label for selection of the proper rate dependent upon weed species present and size. For optimal yield, early season weed removal is important.

^{**}Tank mixing with pendimethalin may result in reduced control of barnyardgrass, fall panicum, field sandbur, yellow foxtail, and volunteer corn.

Apply TEMPER to cotton from emergence up to the early bloom stage at 22 to 29 fl oz/A. Should environmental conditions prevent a timely herbicide application, a single application of up to 43 fl oz/A of TEMPER may be made to cotton. If more than 29 fl oz/A are used in any single application, the seasonal total may not exceed 72 fl oz/A, including all application timings. See Restrictions to the Directions for use on Cotton below for additional information.

Refer to the Weed Control for Row Crops section of this label for selection of the proper rate dependent upon weed species present and size. In weed populations with mixed species, select the highest rate required to control all the species. Volunteer LibertyLink crop plants (corn, rice, cotton, soybeans, sugar beets) from the previous season will not be controlled by applications of TEMPER. A repeat application of TEMPER or tank mixes with a residual herbicide will be needed to control weeds that have not emerged at the time of application. See the Tank Mix section for Use on Cotton of this label to select suitable tank mix partners.

Use Pattern	1st Application	2 nd Application	3rd Application	Season Maximum
Option 1	22-29 fl oz/A	22-29 fl oz/A	22-29 fl oz/A	87 fl oz/A
Option 2	30-43 fl oz/A	22-29 fl oz/A	None	72 fl oz/A

RESTRICTIONS TO THE DIRECTIONS FOR USE ON COTTON

- DO NOT apply TEMPER to cotton in Florida, South of Tampa (Florida Route 60), or in Hawaii, except for test plots or breeding nurseries.
- **DO NOT** apply TEMPER within 70 days prior to cotton harvest.
- Up to three applications of TEMPER may be made to cotton per season at a maximum application rate of 29 fl oz/A.
- **DO NOT** apply more than 87 fl oz (including all application timings) to cotton per season under this application scenario. Sequential applications must be at least 10-days apart.
- If environmental conditions prevent timely applications resulting in large weeds or heavy infestations, a single application of TEMPER at up to 43 fl oz/A may be made to cotton. DO NOT apply more than 43 fl oz of TEMPER in a single application under this use scenario. If a single application greater than 29 fl oz is made, a subsequent application not to exceed 29 fl oz may be made to cotton. The seasonal total use rate under this scenario may not exceed 72 fl oz of TEMPER. Sequential applications should be at least 10days apart.
- DO NOT apply this product through any type of irrigation system.
- Refer to the" Rotational Crop Restrictions" section under the "Information" heading of this label for the appropriate rotational crop plant back intervals.

APPLICATION METHODS TO LIBERTYLINK COTTON

Refer to the Weed Control for Row Crops to select the proper application rate based upon the weeds present and their size. Uniform and thorough spray coverage is required to achieve consistent weed control.

For ground application, apply TEMPER to LibertyLink cotton as an over-the-top foliar spray or as a spray directed to the lower one-third of the cotton stand.

APPLICATION METHODS TO NON-LIBERTYLINK COTTON

Application of TEMPER to cotton varieties not labeled as LibertyLink requires the use of hooded spray equipment designed to minimize exposure of the spray to the cotton stand. A hooded sprayer directs the spray onto weeds, while shielding the cotton stand from contact. Use nozzles that provide uniform coverage within the treated area. Keep hoods on these sprayers adjusted to protect desirable vegetation. Extreme care must be exercised to avoid exposure of the desirable vegetation to the spray.

With a hooded sprayer, the spray pattern is completely enclosed on the top and all 4 sides by a hood, thereby shielding the crop from the spray solution. This equipment must be set up and operated in a manner that avoids bouncing or raising the hoods off the ground in any way. The spray hoods must be

operated on the ground or skimming across the ground. Tractor speed must be adjusted to avoid bouncing of the spray hoods. Avoid operation on rough or sloping ground where the spray hoods might be raised off the ground. If the hoods are raised, spray particles may escape and come into contact with the cotton, causing damage or destruction of the crop.

Herbicide rates and spray volumes are presented as broadcast equivalents and must be reduced in proportion to the area actually treated. Use the following formulas to calculate the correct rate and volume per planted (field) acre:

Band width in inches Row width in inches	X	Broadcast RATE per acre	= Amount of banded product needed per acre
Band width in inches Row width in inches	X	Broadcast VOLUME per acre	= Amount of banded product needed per acre

POST-HARVEST

TEMPER may be applied as a post-harvest burndown treatment to fields (after cotton harvest). Up to 43 fl oz/A of TEMPER may be applied in a single application to control larger weeds growing in the crop at the time of harvest.

If more than 29 fl oz/A is used in a single application, the seasonal total may not exceed 72 fl oz/A, including all application timings. Refer to the Rotational Crop Restrictions section of this label for appropriate rotational crop information.

COTTON TANK MIXTURES

Certain tank mixes may aid in the performance of TEMPER. No additional surfactant is needed with any tank mix partner. TEMPER may be applied in tank mix combinations with labeled rates of other products provided these other products are labeled for the timing and method of application for the cotton to be treated. The tank mix partner must be used in accordance with the label limitations and precautions. No label dosage rates may be exceeded. TEMPER cannot be mixed with any product containing a label prohibition against such mixing.

LibertyLink Cotton: For cotton tolerant to TEMPER, Dual Magnum® or Staple® Herbicide may be tank-mixed with TEMPER and applied over-the-top postemergence to enhance weed control and/or provide residual control.

All Cotton Types: The following herbicides may be mixed with TEMPER for hooded-spray application to enhance weed control and/or provide residual weed control:

Aim™	Cotoran® DF	Dual Magnum®	Pendimax™ 3.3	Staple®
Caparol®4L	Direx®4L	Glyphosate	Prowl® 3.SEC	•
Cotoran® 4L	Direx® 80DF	Karmex® DF	Select Max™	

APPLICATION DIRECTIONS FOR IN-SEASON USE ON SOYBEANS

Apply TEMPER only to soybeans designated as LibertyLink. Uniform, thorough spray coverage is necessary to achieve consistent weed control.

APPLICATION RATE AND TIMING

For best results, apply to emerged, young, actively growing weeds. Warm temperatures, high humidity, and bright sunlight improve the performance of TEMPER. Refer to the Weed Control for Row Crops section of this label for selection of the proper rate dependent upon weed species present and size. Adding ammonium sulfate with TEMPER may improve weed control if weeds are under stress. For optimal yield, early season weed removal is important.

Applications of TEMPER on soybeans may be made from emergence up to but not including the bloom growth stage.

Apply TEMPER at 22 - 29 fl oz/A per application. See weed chart to determine rate. Should environmental conditions prevent a timely herbicide application, a single application of up to 36 fl oz/A may be made to soybeans followed by one additional application at a maximum of 29 fl oz/A with a seasonal maximum of 65 fl oz/A. TEMPER may be applied alone or in a tank mix application with a residual herbicide to control weeds that have not yet emerged at the time of application. Although timely post applications of TEMPER can provide complete weed control, residual herbicides at burndown, planting or tank mixed with TEMPER help ensure optimal weed management, particularly if environmental conditions delay timely post applications. Residual herbicides can also reduce early season weed competition and are a key element of good weed resistance management practices.

Use Pattern Rate Ranges					
1st Application	1st Application 2nd Application Season Maximum				
22 - 36 fl oz/A	22 - 29 fl oz/A	65 fl oz/A			

APPLICATION DIRECTIONS FOR BURNDOWN USE ON SOYBEANS

TEMPER may be applied as a burndown treatment prior to planting or prior to emergence of any conventional or transgenic variety of soybean. Apply a minimum of 29 fl oz/A for burndown of existing weeds just prior to planting or prior to emergence of soybean. For best results, apply to emerged, young, actively growing weeds. Warm Temperatures, high humidity and bright sunshine improve the performance of TEMPER. Refer to the Weed Control for Row Crops section of this label for selection of the proper rate dependent upon weed species present and size.

In soybeans, if environmental conditions prevent timely applications, a single application may be made up to 36 fl oz/A of TEMPER. If 29 - 36 fl oz/A are used in a single burndown application, one additional inseason application may be made at up to 29 fl oz/A. The season total may not exceed 65 fl oz/A, including all application timings.

Soybean Use Patterns	Burndown	In-Season Applications	Season Maximum
	29 - 36 fl oz/A	1 application at 22 - 29 fl oz/A	65 fl oz/A

RESTRICTIONS TO THE DIRECTIONS FOR USE ON SOYBEANS

- DO NOT apply more than two applications of TEMPER to the soybean crop.
- Sequential applications must be at least 10days apart.
- DO NOT apply TEMPER within 70 days of harvesting soybean seed.
- DO NOT apply more than 65 fl oz/A of TEMPER on soybeans per growing season.
- DO NOT apply more than 36 fl oz/A of TEMPER in a single application
- DO NOT graze the treated crop or cut for hay.
- DO NOT use nitrogen solutions as spray carriers. A silicone-based antifoam agent may be added
 if needed.
- DO NOT apply TEMPER if soybeans show injury from prior herbicide applications or environmental stress (drought, excessive rainfall, etc.).
- **DO NOT** apply this product through any type of irrigation system.
- Refer to the "Rotational Crop Restrictions" section under the "Information" heading of this label for the appropriate rotational crop plant back intervals.

SOYBEAN TANK MIX

Certain herbicide tank mixes may aid in the performance of TEMPER. No additional surfactant is needed with any tank mix partner. TEMPER may be applied in tank mix combinations with labeled rates of other products provided these other products are labeled for the timing and method of application for the soybean to be treated. The tank mix partner must be used in accordance with the label limitations and precautions. No label dosage rates may be exceeded. TEMPER cannot be mixed with any product containing a label prohibition against such mixing.

Soybean Herbicide Tank Mix Partners

Assure® II Classic® Clethodim Fomesafen 1.88 Fusilade® DX Fusion® Poast®Plus Pursuit® Raptor™ Select Max® Synchrony® XP Ultra Blazer®

Resource®

Cobra® Dual Magnum

Harmony® Prefix Fomesafen 2SL

Firstrate®

APPLICATION DIRECTIONS FOR CORN, COTTON, AND SOYBEAN SEED PROPAGATION

TEMPER may be applied to select out susceptible "segregates", i.e., corn, cotton, and soybean plants that are not tolerant to glufosinate-ammonium during seed propagation.

- Corn: Inbred lines, plants not possessing glufosinate-ammonium tolerance, will be severely injured or killed if treated with this herbicide. A hooded sprayer may be used to protect plants from coming into contact with the herbicide application. For the selection of tolerant corn "segregates", TEMPER may be applied at 22 fl oz/A plus AMS at 3 lb/A (17 lb/100 gallons) when corn is in the V-3 to V-4 stage of growth, i.e., 3 to 4 developed collars. A second treatment of 22 fl oz/A plus AMS at 3 lbs/A may be applied when the corn is in the V-6 to V-7 stage of growth or up to 24" tall. Sequential applications should be at least 10days apart. When temperatures exceed 85° F, the rate of AMS can be reduced to 1.5 lbs/A (8.5 lbs/100 gallons) to reduce potential leaf burn.
- Cotton: TEMPER may also be used in cotton seed propagation as a foliar spray to selectively
 eliminate cotton plants that do not carry a gene that imparts tolerance to glufosinate-ammonium
 and as such, can be applied to remove susceptible segregates during cotton seed propagation.
 Breeding material not possessing the glufosinate-ammonium tolerance gene will be severely
 injured or killed if treated with this herbicide. See "Application Use Directions for Use on Cotton"
 for use rates and application timing.
- Soybeans: For the selection of tolerant soybean "segregates", TEMPER may be applied at up to 22 fl oz/A when soybean is in the third trifoliate stage. A second treatment of 22 fl oz/A may be applied up to but not including the bloom growth stage of soybean. Sequential applications should be at least 10days apart.

FALLOW FIELDS

TEMPER may be used as a substitute for tillage in fallow fields to control or suppress weeds listed in the "Weed Control for Row Crops" section of this label.

Apply TEMPER at 22 or 29 fl oz/A to fallow fields to control specific weeds. TEMPER must be applied with ammonium sulfate. Tank mixes with 2,4-D, glyphosate or atrazine are recommended with TEMPER to enhance total weed control. When using TEMPER in tank mix combinations, follow the precautions and directions of use of the most restrictive label. See the Application and Mixing Procedures section of this label for additional information on how to apply this product. See the Information section of this label for rotational crop restrictions.

FARMSTEADS

When applied as recommended, TEMPER controls undesirable plant vegetation in non-crop areas around farmstead building foundations, shelter belts, along fences, and general nonselective farmstead weed control. Refer to the "Application Directions for Use on Listed Tree, Vine, and Berry Crops" section of this label for appropriate application broadcast and spot spray application rates and lists of weeds controlled.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Do not use or store near heat or open flame. Keep the container tightly closed and dry in a cool, well-ventilated place. Storage temperature should not exceed 125° F. If storage temperature for bulk TEMPER is below 32° F, the material should not be pumped until its temperature exceeds 32° F. Protect against direct sunlight.

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

CONTAINER HANDLING:

[Rigid, Non-refillable containers small enough to shake (i.e., with capacities equal to or less than 5 gallons)]

Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Once container is rinsed, then offer for recycling or reconditioning; or puncture and dispose of in a sanitary landfill, or by incineration; or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

[All refillable container types (containers with capacities greater than 50 lbs)]

Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning before refilling is the responsibility of the refiller. This is a sealed returnable container to be used only for TEMPER. When this container is empty, it must not be opened, cleaned, or discarded. Empty containers must be returned to the original purchase location.

[Bottom discharge Intermediate Bulk Container (IBC) (containers with capacities greater than 50 lbs)]

Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning before refilling is the responsibility of the refiller. Pressure rinsing the container before final disposal is the responsibility of the person disposing of the container. Empty the remaining contents from the Intermediate Bulk Container (IBC) into application equipment or mix tank. Raise the bottom of the IBC by 1.5 inch on the side which is opposite of the bottom discharge valve to promote more complete product removal. Completely remove the top lid of the IBC. Use water pressurized to at least 40 PSI to rinse all interior portions. Continuously pump or drain rinsate into application equipment or rinsate collection system while pressure rinsing. Continue pressure rinsing for 2 minutes or until rinsate becomes clear. Replace the lid and close bottom valve. Contact your Ag retailer or Makhteshim Agan of North America for container return, disposal and recycling recommendations.

LIMITATION OF WARRANTY AND LIABILITY

Read the entire directions for use, conditions of warranties and limitations of liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following CONDITIONS, DISCLAIMER OF WARRANTIES and LIMITATIONS OF LIABILITY.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed

carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Makhteshim Agan of North America, Inc. All such risks shall be assumed by the user or buyer.

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LIMITATIONS OF LIABILITY: To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid or at Makhteshim Agan of North America, Inc.'s election, the replacement of product.

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[EPA acceptance date]