

**GROUP 4 HERBICIDE**

# ORACLE<sup>®</sup> Advanced

## Herbicide

For Crop and Non-Crop broadleaf weed control on asparagus, barley, Conservation Reserve Programs (CRP), corn, cotton, fallow croplands (between crop applications), fencerows, forest site preparations, general farmstead (non-cropland), grasses, grass grown for seed, hay, industrial areas, lawn, proso millet, oats, pasture, rangeland, rights-of-way, sorghum, soybeans, sugarcane, triticale, turf grasses (including sod farms and golf courses), and wheat.

Active Ingredient:

Diglycolamine salt of 3, 6-dichloro- <i>o</i> -anisic acid*	58.8%
Other Ingredients:	41.2%
TOTAL	100.00%

Formulated as a Soluble Liquid (SL) formulation of the DGA Salt of Dicamba.

\* Contains 39.8% 3, 6-dichloro-*o*-anisic acid (4 pounds acid equivalent per gallon or 480 grams per liter)

### KEEP OUT OF REACH OF CHILDREN CAUTION/PRECAUCIÓN

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.)

See inside booklet for complete *Precautionary Statements, Directions for Use* and *Conditions of Sale and Warranty*.

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**Net Contents: 2.5 Gallons**

5.7500 in

6.7500

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**PRECAUTIONARY STATEMENT**  
**HAZARDS TO HUMANS AND**  
**DOMESTIC ANIMALS**  
**CAUTION!**

Harmful if swallowed. harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wear long sleeved shirt, long pants, shoes, socks and chemical resistant gloves (such as or made out of any waterproof material).

<b>FIRST AID</b>	
<b>If swallowed:</b>	<ul style="list-style-type: none"> <li>• Call poison control center or doctor immediately for treatment advice.</li> <li>• <b>Have a person sip a glass of water if able to swallow.</b></li> <li>• <b>DO NOT</b> induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• <b>DO NOT</b> give anything by mouth to an unconscious person.</li> </ul>
<b>If on Skin or clothing:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advise.</li> </ul>
<b>If In eyes:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advise.</li> </ul>
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency medical treatment information call: 1-(866)-359-5660	

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

**All mixers, loaders, applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

See **Engineering Controls Statement** for additional requirements. 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.

**ENGINEERING CONTROLS STATEMENTS**

When handlers use enclosed 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. Pilots must use cockpits in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240(d)(4-6).

**IMPORTANT:** When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "all mixers, loaders, applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.

**USER SAFETY RECOMMENDATIONS**

- Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Users should 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**

Keep out of lakes, streams, or ponds. For terrestrial uses, **DO NOT** apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. **DO NOT** contaminate water when disposing of equipment wash waters. Apply this product only as directed on the label.

This chemical is known to leach through sod into ground water under certain conditions as a result of agricultural use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

**GROUND AND SURFACE WATERS PROTECTION**

**Best Stewardship Practices**

**Oracle Advanced Herbicide** provides effective broadleaf weed and brush control when properly applied. Best stewardship practices in all mixing, loading, and application operations not only maximize weed control, but also protects ground and surface waters and minimize off-target movement.

**Point source contamination:** To prevent point source contamination, **DO NOT** mix, load this pesticide product within 50 feet of wells (including abandoned wells and drainage wells), sink holes, perennial or intermittent streams and rivers, and natural or impounded lakes and reservoirs. **DO NOT** apply pesticide product within 50 feet of wells. This setback does not apply to properly capped or plugged abandoned wells and does not apply to impervious pad or properly diked mixing/loading areas as described below.

Mixing, loading, rinsing, or washing operations performed within 50 feet of a well are allowed only when conducted on an impervious pad constructed to withstand the weight of

the heaviest load that may be on or move across the pad. The pad must be self-contained to prevent surface water flow over or from the pad. The pad capacity must be maintained at 110% that of the largest pesticide container or application equipment used on the pad and have sufficient capacity to contain all product spills, equipment, or container leaks, equipment wash waters, and rainwater that may fall on the pad. The containment capacity does not apply to vehicles delivering pesticide shipments to the mixing/loading site. States may have in effect additional requirements regarding wellhead setbacks and operational containment.

Care must be taken when using this product to prevent: a) back siphoning into wells, b) spills or c) improper disposal of excess pesticide, spray mixtures or rinsates. Check valves or antisiphoning devices must be used on all mixing equipment.

**Movement by surface runoff or through soil: DO NOT** apply under conditions which favor runoff. **DO NOT** apply to impervious substrates such as paved or highly compacted surfaces in areas with high potential for ground water contamination. Ground water contamination may occur in areas where soils are permeable or coarse and ground water is near the surface. **DO NOT** apply to soils classified as sand with less than 3% organic matter and where ground water depth is shallow. To minimize the possibility of ground water contamination, carefully follow The Soil type application rates

**Movement by water erosion of treated soil: DO NOT** apply or incorporate this product through any type of irrigation equipment nor by flood or furrow irrigation. Ensure treated areas have received at least one-half inch rainfall (or irrigation) before using tail water for subsequent irrigation of other fields.

#### ENDANGERED SPECIES CONCERNS

The use of any pesticide in a manner that may kill or otherwise harm an endangered species or adversely modify their habitat is a violation of federal law.

### DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. This product can only be used with the directions for Use on this label or in separately published Gharda Supplemental labeling. Supplemental labeling can be obtained from your Gharda retailer or Gharda Company Representative. This label must be in the users possession during application.

**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.

Unless otherwise directed in supplemental labeling, all applicable directions, restrictions, precautions and Conditions of Sale and Warranty are to be followed.

#### 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 worn over short-sleeve shirt and short pants
- chemical-resistant footwear plus socks
- chemical-resistant gloves made of any waterproof material
- chemical-resistant headgear for overhead exposure
- 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.

**DO NOT** enter or allow people (or pets) to enter the treated area until sprays have dried. **DO NOT** apply this product in a way that will contact workers or other persons, either directly or through drift.

### STORAGE AND DISPOSAL

**DO NOT** allow this product to contaminate water, food, feed or seed by storage or disposal. Open dumping is prohibited. This Product may not be mixed, loaded, or used within 50 feet of all wells including abandoned wells, drainage wells, and sinkholes.

**PESTICIDE STORAGE:** Store product in original container in a well-ventilated and away from food, pet food, feed, seed, fertilizers, and veterinary supplies. Avoid cross-contamination with other pesticides. Keep container closed to prevent spills and contamination.

*(continued)*

**STORAGE AND DISPOSAL** *(continued)*

**PESTICIDE DISPOSAL:** Pesticide spray mixture or rinsate that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticides. Improper disposal of excess pesticide spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by the use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:**

**(Nonrefillable container 5 gallons or less): DO NOT** reuse this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. If not, triple rinse emptied container and offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities, such as burning of plastic containers. If burned, stay out of smoke.

Triple rinse or pressure 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 ¼ 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. Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

**(Refillable containers up to 250 gallons):** Refill this container with pesticide only. **DO NOT** reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning the container before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities, such as burning of plastic containers. If burned, stay out of smoke.

**FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident, call CHEMTREC: 1-800-424-9300**

**Product Specific Information**

**Oracle Advanced Herbicide** is a water soluble herbicide formulation for control or suppression of a wide spectrum of annual, biennial and perennial broadleaf species (Refer to **Weed List Section**). It is absorbed and actively translocated throughout the plant, accumulating in areas of active growth, inhibiting transport of the plant growth hormone auxin, resulting in death of the plant. Dicamba is a Group 4 Herbicide based on the mode of action classification system of the Weed Science Society of America. It has a low probability of selecting-out resistant weed biotypes.

**Equipment Cleaning**

Before and after applying this product clean spray equipment thoroughly by using a household ammonia and/or strong detergent (**See Instructions below**), or a commercial sprayer cleaner and following the manufacturer's directions.

**Instructions**

- Hose down thoroughly the inside as well as outside surfaces of equipment while filling the spray tank half full of water. Flush by operating sprayer until the system is purged of the rinse water.
- Fill tank with water while adding 1 qt. of household ammonia for every 25 gals. of water. Operate the pump to circulate the ammonia solution through the sprayer system for 15-20 minutes and discharge a small amount of the ammonia solution through the boom and nozzles. Let the solution stand for several hours, preferably overnight.
- Flush the solution out of the spray tank through the boom.
- Remove the nozzles and screens and flush the system with two full tanks of water.

The steps listed below are suggested for thorough cleaning of spray equipment used to apply this product as a tank mix with wettable powders (WP), emulsifiable concentrates (EC), or other types of water dispersible formulations. Tank mixes with water dispersible formulations require the use of a water/detergent rinse.

- Complete step 1.
- Fill tank with water while adding 2 lbs. of detergent for every 40 gals. of water. Operate the pump to circulate the detergent solution through the sprayer system for 5-10 minutes and discharge a small amount of the solution through the boom and nozzles. Let the solution stand for several hours, preferably overnight.
- Flush the detergent solution out of the spray tank through the boom.
- Repeat step 1, and follow with steps 2, 3, and 4.

**Mixing Instructions**

Unless otherwise specified under the application headings of this booklet, the following directions apply to all applications (Refer to the **Application Section** of this label for additional precautions, restrictions, application rates and Timing).

**Oracle Advanced Herbicide** is a water-soluble formulation that can be applied using water or sprayable fluid fertilizer as the carrier. If a fluid fertilizer is to be used, a compatibility test should be conducted prior to tank mixing.

**Compatibility Test**

Before mixing in the spray tank, it is advisable to test compatibility by mixing all components in a small container in proportionate quantities (use the following rate chart)

**Compatibility Testing**

**Amount of Herbicide to Add to One Pint of Spray Carrier (Assuming Volume is 25 Gallons per Acre)**

Herbicide Type	Rate per Acre	Level Teaspoons
Dry	1 lb.	1 1/2
Liquid	1 pt.	1/2

If herbicide(s) do not ball-up or form flakes, sludge, gels, oily films, layers, or other precipitates, then the tested spray mix is compatible. Usually, incompatibility in any of the above described forms will occur within 15 minutes after mixing. If components are incompatible, the use of a compatibility agent is recommended. Rerun the above compatibility test with a suitable compatibility agent (1/4 tsp. is equivalent to 2 pts./100 gals. of fluid fertilizer).

**Weeds Controlled**

**Weed List, Including ALS- and Triazine Resistant Biotypes**

ANNUALS	
Common Name	Scientific Name
Alkanet	<i>Lithospermum arvense</i>
Amaranth, Palmer	<i>Amaranthus palmeri</i>
Powel	<i>Amaranthus powelli</i>
Spiny	<i>Amaranthus spinosus</i>
Aster, Slender	<i>Aster subulatus</i>
Bedstraw, Catchweed	<i>Galium aparine</i>
Beggarweed, Florida	<i>Desmodium tortuosum</i>
Broomweed, Common	<i>Gutierrezia dracunculoides</i>
Buckwheat, Tartary	<i>Fagopyrum tatarium</i>
Wild	<i>Polygonum convulvulus</i>
Buffalobur	<i>Solanum rostratum</i>
Burclover, California	<i>Medicago polymorpha</i>
Burcucumuber	<i>Sicyos angulatus</i>
Buttercup, Corn	<i>Ranunculus arvensis</i>
Creeping	<i>Ranunculus repens</i>
Roughseed	<i>Ranunculus muricatus</i>
Western Field	<i>Ranunculus occidentalis</i>
Carpetweed	<i>Mullugo verticifata</i>
Catchfly, Nightflowering	<i>Silene noctiflorum</i>
Chamomile, Corn	<i>Anthemis arvensis</i>

(continued)

ANNUALS (continued)	
Common Name	Scientific Name
Chervil, Bur	<i>Anthriscus caucalis</i>
Chickweed, Common	<i>Stellaria media</i>
Clovers	<i>Trifolium spp.</i>
Cockle, Corn	<i>Agrostemma githago</i>
Cow	<i>Vaccaria pyramidata</i>
White	<i>Melandrium album</i>
Cocklebur, Common	<i>Xanthium strumarium</i>
Copperleaf, Hophornbeam	<i>Acalypha ostryifolia</i>
Cornflower (Bachelor Button)	<i>Centaurea cyanus</i>
Croton, Tropic	<i>Croton glandiola</i>
Wooly	<i>Croton capitatus</i>
Daisy, English	<i>Bellis perennis</i>
Dragonhead, American	<i>Dracocephalum parviflorum</i>
Eveningprimrose, Cutleaf	<i>Oenothera lacinata</i>
Falseflax, Smallseed	<i>Camelina microcarpa</i>
Fleabane, Annual	<i>Erigeron annuus</i>
Flixweed	<i>Descurainia sophia</i>
Fumitory	<i>Fumaria officinalis</i>
Goosefoot, Nettleleaf	<i>Chenopodium murale</i>
Hempnettle	<i>Galeopsis tetrahit</i>
Henbit	<i>Lamium amplexicaule</i>
Jacobs-Ladder	<i>Polemonium caeruleum</i>
Jimsonweed	<i>Datura stratum</i>
Knawel, (German Moss)	<i>Scleranthus annuus</i>
Knotweed, Prostrate	<i>Polygonum aviculare</i>
Kochia	<i>Kochia scoparia</i>
Kochia (Triazine resistant)	<i>Polygonum persicaria</i>
Ladysthumb	
Lambsquarters, common	<i>Chenopodium album</i>
Lambsquarters (Triazine resistant)	
Lettuce, Miners	<i>Claytonia perfoliata</i>
Prickly	<i>Lactuca serriola</i>
Mallow, Common	<i>Malva neglecta</i>
Venice	<i>Hibiscus trionum</i>
Marestail (Horseweed)	<i>Hippurus vulgaris</i>
Mayweed	<i>Anthemis cotula</i>
Morningglory, Ivyleaf	<i>Ipomea hederacea</i>
Tall	<i>Ipomea purpurea</i>
Mustard, Black	<i>Brassica nigra</i>
Blue	<i>Chorispora tenella</i>
Tansy	<i>Descurainia pinnata</i>
Treacle	<i>Erysimum repandum</i>
Tumble	<i>Sisymbrium altissimum</i>
Wild	<i>Sinapis arvensis</i>
Yellowtops	
Nightshade, Black	<i>Solanum nigrum</i>
Cutleaf	<i>Solanum triflorum</i>

(continued)



<b>ANNUALS</b> (continued)	
<b>Common Name</b>	<b>Scientific Name</b>
Pennycress, Field (Fanweed, Frenchweed, Stinkweed)	<i>Thlaspi arvense</i>
Pepperweed, Virginia (Peppergrass)	<i>Lepidium virginicum</i>
Pigweed, Prostrate	<i>Amaranthus blitoides</i>
Redroot (carelessweed)	<i>Amaranthus retroflexus</i>
Rough	
Smooth	<i>Amaranthus hybridus</i>
Tumble	<i>Amaranthus albus</i>
Pigweed (triazine resistant)	
Pineappleweed	<i>Matricaria matricarioides</i>
Poorjoe	<i>Diodia teres</i>
Poppy, Red-horned	<i>Tribulus terrestris</i>
Puncturevine	<i>Portulaca oleracea</i>
Purslane, Common	<i>Richardia scabra</i>
Pusley, Florida	<i>Raphanus raphanistrum</i>
Radish, Wild	
Ragweed, Common	<i>Ambrosia artemisiifolia</i>
Giant (Buffaloweed)	<i>Ambrosia trifida</i>
Lance-leaf	<i>Ambrosia bidentata</i>
Rocket, London Yellow	
Rubberweed, Bitter (Bitterweed)	<i>Hymenoxys olerata</i>
Salsify	
Senna, Coffee	
Sesbania, Hemp	<i>Sesbania exaltata</i>
Shepherdspurse	<i>Capsella bursa-pastoris</i>
Sicklepod	<i>Cassia obtusifolia</i>
Sida, Prickly (Teaweed)	<i>Sida spinosa</i>
Smartweed, Green	<i>Polygonum scabrum</i>
Pennsylvania	<i>Polygonum pennsylvanicum</i>
Sneezeweed, Bitter	<i>Heleniumum amurum</i>
Sowthistle, Annual	<i>Sonchus oleraceus</i>
Spiny	<i>Sonchus asper</i>
Spanish needles	<i>Hermizonia pungens</i>
Spikeweed, Common	<i>Euphorbia humistrata</i>
Spurge, Prostrate	<i>Spergula arvensis</i>
Spurry, Corn	
Starbur, Bristly	
Starwort, Little	<i>Acanthospermum hispidum</i>
Sumpweed, Rough	
Sunflower, Common (wild) Volunteer	<i>Iva ciliata</i> <i>Helianthus annuus</i>
Thistle, Russian	<i>Salsola iberica</i>
Velvetleaf	<i>Abutilon theophrasti</i>
Waterhemp, Common	<i>Amaranthus rudis</i>
Tall	<i>Amaranthus tuberculatus</i>
Waterprimrose, Winged	<i>Ludwigia decurrens</i>
Wormwood, Annual	<i>Artemisia annua</i>

<b>BIENNIALS</b>	
<b>Common Name</b>	<b>Scientific Name</b>
Burdock, Common	<i>Arctium minus</i>
Carrot, Wild (Queen Anne's Lace)	<i>Daucus carota</i>
Cockle, White	<i>Melandrium album</i>
Eveningprimrose, Common	<i>Oenothera biennis</i>
Geranium, Carolina	<i>Geranium carolinianum</i>
Gromwell	<i>Lithospermum spp.</i>
Knapweed, Diffuse	<i>Centaurea diffusa</i>
Spotted	<i>Centaurea maculosa</i>
Mallow, Dwarf	<i>Malva borealis</i>
Plantain, Bracted	<i>Plantago aristata</i>
Ragwort, Tansy	<i>Senecio jacobaea</i>
Starthistle, Yellow	<i>Centaurea solstitialis</i>
Sweetclover	<i>Melilotus spp.</i>
Teasel	<i>Dipsacus sativus</i>
Thistle, Bull	<i>Cirsium vulgare</i>
Milk	
Musk	<i>Carduus nutans</i>
Plumless	<i>Carduus acanthoides</i>

<b>PERENNIALS</b>	
<b>Common Name</b>	<b>Scientific Name</b>
Alfalfa <sup>1</sup>	<i>Medicago sativa</i>
Artichoke, Jerusalem	<i>Helianthus tuberosus</i>
Aster, Spiny	<i>Aster spinosus</i>
Aster, Whiteheath	<i>Aster pilosus</i>
Bedstraw, Smooth	<i>Gallium mollugo</i>
Bindweed, Field	<i>Convolvulus arvensis</i>
Bindweed, Hedge	<i>Calystegia septum</i>
Blueweed, Texas	<i>Helianthus ciliaris</i>
Bursage* Wollyleaf <sup>1</sup> , (Bur Ragweed, Povertyweed)	<i>Ambrosia grayi</i>  <i>Runanculus acris</i>
Buttercup, tall	<i>Silene vulgaris</i>
Campion, Bladder	<i>Cerastium arvense</i>
Chickweed, Field	<i>Cerastium vulgatum</i>
Chickweed, Mouseear (Canada)	
Chicory <sup>1</sup>	<i>Cichorium intybus</i>
Clover <sup>1</sup> , Hop	<i>Trifolium aureum</i>
Dandelion <sup>1</sup> , Common	<i>Taraxacum officinale</i>
Dock <sup>1</sup> , Broadleaf (Bitterdock)	<i>Rumex obtusifolius</i>
Curly	<i>Rumex crispus</i>
Dogbane, Hemp	<i>Apocynum cannabinum</i>
Dogfennel <sup>1</sup> (Cypressweed)	<i>Eupatorium capillifolium</i>
Fern, Bracken	<i>Pteridium aquilinum</i>
Garlic, Wild	<i>Allium vineale</i>

(continued)



PERENNIALS (continued)	
Common Name	Scientific Name
Goldenrod, Canada Missouri	<i>Solidago canadensis</i> <i>Solidago missouriensis</i>
Goldenweed, Common	<i>Isocoma coronopifolia</i>
Hawkweed	<i>Hieracium spp.</i>
Henbane, Black <sup>1</sup>	<i>Hyoscyamus niger</i>
Horsenettle, Carolina	<i>Solanum carolinense</i>
Ironweed	<i>Vernonia spp.</i>
Ivy, Ground	
Knapweed, Black	<i>Centaurea nigra</i>
Diffuse Russian <sup>1</sup> Spotted	<i>Centaurea repens</i>
Milkweed, Climbing Common Honeyvine, Western Whorled	<i>Sarcostemma cynanchoides</i> <i>Asclepias syriaca</i> <i>Ampelamus albidus</i> <i>Asclepias subverticillata</i>
Nettle, Stinging	<i>Urtica dioica</i>
Nightshade, Silverleaf (White Horsenettle)	<i>Solanum elaeagnifolium</i>
Onion, Wild	<i>Allium canadense</i>
Plantain, Broadleaf* Buckhorn	<i>Plantago major</i> <i>Plantago lanceolata</i>
Pokeweed	<i>Phytolacea americana</i>
Ragweed, Western	<i>Ambrosia psilostachya</i>
Redvine	<i>Brunnichia ovata</i>
Sericia Lespedeza	<i>Serieaa Lespedeza</i>
Smartweed, Swamp	<i>Polygonum coccineum</i>
Snakeweed, Broom	<i>Gutierrezia sarothrae</i>
Sorrel, Red (Sheep Sorrel)	<i>Rumex acetosella</i>
Sowthistle <sup>1</sup> , Perennial	<i>Sonchus arvensis</i>
Spurge, Leafy	<i>Euphorbia esula</i>
Sundrop. (Evening primrose)	<i>Oenotifera perrer#s</i>
Thistle, Canada Scotch	<i>Cirsium arvense</i> <i>Onopoldum acanthium</i>
Toadflax, Dalmatian	<i>Linaria genistrata</i>
Tropical Soda Apple	<i>Solanum virum</i>
Trumpet creeper (Buckvine)	<i>Campsis radicans</i>
Vetch	<i>Vicia spp.</i>
Violet, Wild	
Waterhemlock	<i>Cicuta maculata</i>
Waterprimrose, Creeping	<i>Ludwigia peploides</i>
Woodsorrel <sup>1</sup> , Creeping* (Common Yellow)	<i>Oxalis corniculata</i> <i>Oxalis sUDcta</i>
Wormwood, Absinth Louisiana	<i>Artemesia absinthium</i> <i>Artemesia ludovicana</i>
Yankee weed*	<i>Eupatorium compositifolium</i>
Yarrow, Common <sup>1</sup>	<i>Achillea millefolium</i>

(continued)

WOODY	
Common Name	Scientific Name
Ailanthus (Tree of Heaven)	
Alder	<i>Alnus spp.</i>
Ash	<i>Fraxinus spp.</i>
Aspen	<i>Populus spp.</i>
Basswood	<i>Tilia americana</i>
Beech	<i>Fagus spp.</i>
Birch	<i>Betula spp.</i>
Blackberry <sup>2</sup>	<i>Rubus spp.</i>
Blackgum <sup>2</sup>	<i>Nyssas spp.</i>
Cedar <sup>2</sup>	<i>Cedrus spp.</i>
Cherry	<i>Prunus spp.</i>
Chinquapin	<i>Chrysolepis chrysophylla</i>
Cottonwood	<i>Populus deltoides</i>
Creosotebush <sup>1</sup>	<i>Larrea tridentata</i>
Cucumbertree	<i>Magnolia acuminata</i>
Dewberry <sup>2</sup>	<i>Rubus caesius</i>
Dogwood <sup>2</sup>	<i>Cornus spp.</i>
Elm	<i>Ullmus spp.</i>
Gallberry	
Grape	<i>Vitus Spp.</i>
Hackberry	
Hawthorn <sup>2</sup> (Thornapple)	<i>Crataegus spp.</i>
Hemlock	<i>Tsuga spp.</i>
Hickory	<i>Carya spp.</i>
Honeylocust	<i>Gleditsia triacanthos</i>
Honeysuckle	<i>Lonicera spp.</i>
Hornbeam	<i>Carpinus spp.</i>
Huckleberry	<i>Vaccinium arboreum</i>
Huisache	<i>Acacia Fanesiana</i>
Ivy, Poison	<i>Rhus ridicans</i>
Kudzu	<i>Pueraria lobata</i>
Locust, Black	<i>Robinia pseudicacia</i>
Maple <sup>2</sup>	<i>Acer spp.</i>
Mesquite	<i>Prosopis ruscifolia</i>
Oak <sup>2</sup>	<i>Quercus spp.</i>
Oak, Poison	<i>Rhus toxicodendron</i>
Olive, Russian	<i>Eleaegnus angustifolia</i>
Persimmon, Eastern	<i>Diospyros virginiana</i>
Pine	<i>Pinus spp.</i>
Plum, Sand <sup>2</sup> (Wild Plum)	<i>Prunus amygdalis</i>
Poplar	<i>Populus spp.</i>
Rabbitbrush	<i>Chrysothamnus pulchellus</i>
Redcedar, Eastern	<i>Junipers virginiana</i>
Rose, McCartney <sup>2</sup>	<i>Rosa bracteata</i>
Rose, Multiflora	<i>Rosa multiflorum</i>
Sagebrush, Fringe	<i>Artemisia fringida</i>
Sassafras	<i>Sassafras albidum</i>
Serviceberry	<i>Amelanchier sanguinea</i>

(continued)

WOODY (continued)	
Common Name	Scientific Name
Spicebush	<i>Lindera benzoin</i>
Spruce	<i>Picea spp.</i>
Sumac	<i>Rhus spp</i>
Sweetgum <sup>2</sup>	<i>Liquidambar styraciflua</i>
Sycamore	<i>Platanus occidentalis</i>
Tarbrush	<i>Flourensia cernua</i>
Willow	<i>Salix spp.</i>
Witchhazel	<i>Hamameliz macrophylla</i>
Yaupon <sup>2</sup>	<i>Ilex spp.</i>
Yucca	<i>Yucca spp.</i>

<sup>1</sup> Noted perennials may be controlled using **Oracle Advanced Herbicide** at rates lower than those specified for other listed perennial weeds (see **Crop Specific Applications Section**)

<sup>2</sup> Growth Suppression

### Application Instructions

**Oracle Advanced Herbicide** can be applied to actively growing weeds as aerial, broadcast, band, or spot spray applications. For specific application timing and rates (see **Application Rates Section**) for Control or Suppression of Weed type and growth Stage.

### Application Rates

**Application Rates by Weed Type and Growth Stage**  
(Use rates are listed under the **Crop Specific Application Section**)

Weed Type and Stage	Rate Per Acre (Oracle Advanced Herbicide)
<b>Annual<sup>1</sup></b>	
Small, actively growing	8-16 fluid ounces (½-1 pt.)
Established weed growth	16-24 fluid ounces (1-1½ pts.)
<b>Biennial</b>	
Rosette diameter 1-3"	8-16 fluid ounces (½-1pt.)
Rosette diameter 3' or more	16-32 fluid ounces (1-2 pts.)
Bolting	32-48 fluid ounces (2-3 pts.)
<b>Perennial</b>	
Top growth suppression	8-16 fluid ounces (½-1 pt.)
Top growth control and root suppression	16-32 fluid ounces (1-2 pts.)
Noted perennials (footnote <sup>1</sup> )	
<b>Weeds Controlled Section</b>	32-64 fluid ounces (2-4pts.)
Other perennials <sup>3</sup>	64 fluid ounces (4pts.)
<b>Woody Brush &amp; Vines</b>	
Top growth suppression	16-32 fluid ounces (1-2pts.)
Top growth control <sup>2,3</sup>	32-64 fluid ounces (2-4pts.)
Stems and stem suppression <sup>3</sup>	64 fluid ounces (4pts.)

<sup>1</sup> Rates below 8 fluid ounces per acre may provide control or suppression but should typically be applied with other herbicides that are effective on the same species and biotype.

<sup>2</sup> Species noted in the **Weeds Controlled Section** will require tank-mixes for adequate control.

<sup>3</sup> **DO NOT** broadcast apply more than 64 fluid ounces per acre. Use the higher level of listed rate ranges when treating dense vegetative growth or perennial weeds with well established root growth.

### Application, Rate and Grazing Restrictions by Crop

Crop <sup>1</sup>	Maximum rate Per Acre Per Application	Maximum In-Crop Rate Per Acre Per Season	Livestock Grazing or Feeding	Aircraft Application Allowed
Asparagus	16 fluid ounces	16 fluid ounces	Yes	Yes
Barley: Fall Spring	8 fluid ounces 8 fluid ounces	12 fluid ounces 11 fluid ounces	Yes	Yes
Corn	16 fluid ounces	24 fluid ounces	Yes <sup>2</sup>	Yes
Cotton	8 fluid ounces	8 fluid ounces	Yes	Yes
Fallow Ground	32 fluid ounces	64 fluid ounces	Yes	Yes
Grass grown for seed	32 fluid ounces	64 fluid ounces	Yes	Yes
Proso Millet	4 fluid ounces	4 fluid ounces	Yes	Yes
Pastureland	32 fluid ounces	32 fluid ounces	Yes	Yes
Conservation Reserve Program (CRP)	32 fluid ounces	64 fluid ounces	Yes	Yes
Oats	4 fluid ounces	4 fluid ounces	Yes	Yes
Sorghum	8 fluid ounces	16 fluid ounces	Yes	Yes
Soybean	32 fluid ounces	64 fluid ounces	Yes	Yes
Sugarcane	32 fluid ounces	64 fluid ounces	Yes	Yes
Turf	32 fluid ounces	32 fluid ounces	Yes	Yes
Triticale	4 fluid ounces	4 fluid ounces	Yes	Yes
Wheat	8 fluid ounces	16 fluid ounces	Yes	Yes

<sup>1</sup> Refer to Crop Specific Information Section for more details.

<sup>2</sup> Once the crop reaches the ensilage (milk) stage or later in maturity.

#### Cultivation

**DO NOT** cultivate within 7 days after application.

#### Management of Off-Site Movement

Follow the spray drift management directions in this section to prevent off target movement of **Oracle Advanced Herbicide** during application. Avoid making applications when spray particles can be carried by wind to sensitive off-site areas. Avoid making applications in gusty wind conditions or if wind is moving in the direction of sensitive crops. The potential for injury increases with higher wind speed.

When sensitive crops and plants are in the vicinity use ground application for **Oracle Advanced Herbicide**.

Consult your local or state authorities for possible application restrictions and advice concerning these and other special local use situations. Tank mix instructions are for use only in states where the tank mix product and application site are registered.

#### Aerial Application Methods and Equipment

**Oracle Advanced Herbicide** may cause injury to desirable trees and plants, particularly beans, cotton, flowers, fruit trees, grapes, ornamentals, peas, potatoes, soybeans, sunflowers, tobacco, tomatoes, and other broadleaf plants,

when contacting their roots, stems, or foliage. These plants are most sensitive during their development or growing stage. To reduce the potential for drift:

- **DO NOT** apply during periods of gusty wind or when wind is in excess of 15 mph.
- Use coarse sprays (volume median diameter of 400 microns or more) to avoid potential spray drift. Select nozzles that are designed to produce minimal amounts of fine spray particles (less than 200 microns).
- Examples of nozzles designed to produce coarse sprays via ground applications are **Delavan® Raindrops, Spraying Systems XR** (excluding 110° tips) flat fans, **Turbo Teejets®, Turbo FloodJets®,** or large capacity flood nozzles such as D10, TK10, or greater capacity tips.
- Keep the spray pressure at or below 20 psi and the spray volume at above 20 gallons per acre, unless otherwise required by the manufacturer of drift-reducing nozzles. Consult your spray nozzle supplier concerning the choice of drift reducing nozzles.
- Approved agricultural drift-reducing additives may be used.

**Water Volume:** Use 1-10 gallons of water per acre (2-20 gallons of diluted spray per treated acre for preharvest uses). Use the higher spray volume when treating dense or tall vegetation.

**Aerial Application Equipment:** Select nozzles designed to produce minimal amounts of fine spray particles. Make aerial applications at the lowest safe height to reduce exposing the spray to evaporation and wind. The applicator must follow the most restrictive use cautions to avoid drift hazards, including those found in this labeling as well as applicable state and local regulations and ordinances. **DO NOT** use aerial equipment if spray particles can be carried by the wind into areas where sensitive crops or plants are growing or when temperature inversions exist.

#### Ground Application (Banding)

When applying this product by banding, determine the amount of herbicide and water volume needed using the following formula:

$$\frac{\text{Bandwidth in inches}}{\text{Row width in inches}} \times \text{Broadcast rate per acre} = \text{Banding herbicide rate per acre}$$

$$\frac{\text{Bandwidth in inches}}{\text{Row width in inches}} \times \text{Broadcast volume per acre} = \text{Banding water volume per acre}$$

#### Ground Application (Broadcast)

**Water Volume:** Use 3-50 gallons of spray solution per broadcast acre for optimal performance. Use the higher spray volume when treating dense or tall vegetation.

**Broadcast Spray Equipment:** Select nozzles designed to produce minimal amounts of fine spray particles. Spray with nozzles as close to the weeds as is practical for good weed coverage.

#### Ground Application (Wipers)

This product is suitable be applied through wiper application equipment to control or suppress actively growing broadleaf weeds, brush, and vines. Use a solution containing 1 part herbicide to 1 part water. **DO NOT** contact desirable vegetation with herbicide solution. Wiper application may be made to crops (including pastures) and non-cropland areas described in the **Crop Specific Applications Section** of this label.

#### Application Additives

To improve postemergence weed control, agriculturally approved surfactants, sprayable fertilizers (urea ammonium nitrate, or ammonium sulfate), or crop oil concentrate may be added, particularly in dry growing conditions. (refer to **Additive Rate Chart**).

**Urea ammonium nitrate (UAN):** Use 2-4 quarts of UAN (commonly referred to as 28%, 30%, or 32% nitrogen solution) per acre. **DO NOT** use brass or aluminum nozzles when spraying UAN.

**Ammonium sulfate (AMS):** AMS at 2.5 pounds per acre may be substituted for UAN. Use high-quality AMS (spray grade) to avoid plugging of nozzles. Other sources of nitrogen are not as effective as those mentioned. Gharda does not recommend applying AMS if applied in less than 10 gallons per

acre because of potential problems with precipitation when using reduced spray volumes. Use AMS only if it has been demonstrated to be successful in local experience.

**Nonionic Surfactant:** The standard label recommendation is 1 pint of an 80% active nonionic spray surfactant per 100 gallons of water. For certain applications, a higher spray surfactant rate is acceptable (see **Crop Specific Applications Section** in this label).

**Oil Concentrate:** A crop oil concentrate must contain either a petroleum or vegetable oil base and must meet all of the following criteria:

- be nonphytotoxic,
- contain only EPA-exempt ingredients,
- provide good mixing quality in the jar compatibility test, and
- be successful in local experience.

The exact composition of suitable products will vary; however, vegetable and petroleum oil concentrates should contain emulsifiers to provide good mixing quality. Highly refined vegetable oils have proven more satisfactory than unrefined vegetable oils. For additional information see **Mixing Instructions**.

**Adjuvants:** Adjuvants containing crop oil concentrates may be used in preplant, pre-emergence, and preharvest applications as well as in pastures and noncropland. **DO NOT** use crop oil concentrate for postemergence in-crop applications unless specifically allowed in the **Crop Specific Applications Section** of this label.

#### Additive Rate Chart

Additive	Rate Per Acre
Nonionic Surfactant	1-2 pints per 100 gallons
AMS	2.5 pounds
UAN Solution	2-4 quarts
Crop Oil Concentrate	1 quart <sup>1</sup>

<sup>1</sup> See Manufacturer's label for specific rate information.

#### Tank Mixing Instructions

The herbicide products listed in the **Tank Mix Partners Section** may be applied with **Oracle Advanced Herbicide** according to the specific tank-mixing instructions in this label and respective product labels (see **Crop Specific Applications Section** for more details. Read and follow the applicable **Restrictions and Precautions** and **Directions For Use** for all products involved in tank-mixing. The most restrictive labeling applies to tank-mixes.

**Oracle Advanced Herbicide** may also be used in tank-mixtures with foliar applied insecticides including synthetic pyrethroids such as Ambush<sup>®</sup>, Asana<sup>®</sup>, Pounce<sup>®</sup> and Warrior<sup>®</sup> or with the carbamate insecticide Furadan<sup>®</sup>. **DO NOT** apply **Oracle Advanced Herbicide** in tank-mixtures with Lorsban<sup>®</sup> insecticide. Physical incompatibility reduced weed control, or crop injury may result from mixing **Oracle Advanced Herbicide** with other pesticides (fungicides, herbicides, insecticides, or miticides), additives, or fertilizers. Gharda does not recommend using tank-mixes other

than those listed on the Gharda labeling. State or Local agricultural authorities may be a source of information when using mixes other than Gharda labeled tank-mixes.

**Mixing Order:**

- 1) **Water** Begin by agitating a thoroughly clean sprayer tank three-quarters full of clean water.
- 2) **Agitation** Maintain constant agitation throughout mixing and application.
- 3) **Inductor** If an inductor is used, rinse it thoroughly after each component has been added.
- 4) **Products in PVA Bags** Place any product contained in water-soluble PVA bags into the mixing tank. Wait until all water-soluble PVA bags have fully dissolved and the product is evenly mixed in the spray tank before continuing.
- 5) **Water dispersible products** (dry flowables, wettable powders, suspension concentrates, or suspension-emulsions).
- 6) **Water-soluble products** (such as **Oracle Advanced Herbicide**).
- 7) **Emulsifiable concentrates** (such as oil concentrate when applicable).
- 8) **Water-soluble additives** (such as AMS or UAN when applicable).
- 9) **Remaining quantity of water.**  
Maintain constant agitation during application.

**READ AND FOLLOW THE LABEL OF EACH TANK MIX PRODUCT USED FOR PRECAUTIONARY STATEMENTS, DIRECTIONS FOR USE, APPLICATION RATES AND TIMING, AND OTHER RESTRICTIONS. Consult product labels for rates for tank mix partners. OBSERVE ALL PRECAUTIONS AND RESTRICTIONS ON THE PRODUCT LABELS. ALWAYS FOLLOW THE MOST RESTRICTIVE LABEL IN A TANK MIX.**

**Tank Mix Partners**

**Oracle Advanced Herbicide Labeled Tank Mix Partners**

Accent® (nicosulfuron)  
Acquire (glyphosate)  
Ally® (metsulfuron-methyl)  
Amber (triasulfuron)  
Asulox® (asulam)  
Atrazine  
Axiom™ (flufenacet + metribuzin)  
Banvel® SGF (dicamba)  
Basagran® (bentazon)  
Beacon® (primisulfuron methyl)  
Bicep® II Magnum™ (S-metolachlor + atrazine)  
Bladex® (cyanazine)  
Bronate® (bromoxynil + MCPA)  
Bronco® (alachlor + glyphosate)  
Buctril® (bromoxynil)  
Bullet® (alachlor + atrazine)  
Canvas® (thifensulfuron + tribenuron + metsulfuron)  
Caparol® (prometryn)

Crossbow® (2,4-D + triclopyr)  
Curtail® (clopyralid + 2,4-D)  
Cyclone® (paraquat)  
Dakota® (fenoxaprop + MCPA)  
Degree™ (acetochlor)  
Degree Xtra™ (acetochlor + atrazine)  
DoublePlay® (acetochlor + EPTC)  
Dual Magnum™ (S metolachlor)  
Dual II Magna® (S-metolachlor + atrazine)  
Eradicane® (EPTC)  
Evik® (ametryn)  
Exceed® (primisulfuron + prosulfuron)  
Express® (thisulfuron + tribenuron methyl)  
Extrazine® II (cyanazine + atrazine)  
Fallow Master (qllyphosate + dicamba)  
Field Master™ (acetochlor + atrazine + glyphosate)  
Finesse® (chlorsulfuron + metsulfuron-methyl)  
Frontier® (dimethenamid)  
FuTime™ (acetochlor + atrazine)  
Garlon® (triclopyr)  
Glean® (chlorsulfuron)  
Gramoxone® Extra (paraquat)  
Guardzman® (dimethenamid + atrazine)  
Harmony® Extra (thifensulfuron + tribenuron-methyl)  
Harness® (acetochlor)  
Harness® Xtra (acetochlor + atrazine)  
Hornet™ (flumetsalarn + clopyralid)  
Karmex® (diuron)  
Kerb® (pronamide)  
Laddok® S-12 (bentazon + atrazine)  
Landmaster® BW (glyphosate + 2,4-D)  
Lariat® (alachlor + atrazine)  
Lasso® (alachlor)  
Lexone (metribuzin)  
Liberty® (qlufosinate)  
Lightning® (imazethapyr + imazapyr)  
Marksman® (dicamba + atrazine)  
MCPA  
Outlook™ (dimethenamid-P)  
Paramount® (quinclorac)  
Partner® (alachlor)  
Peak® (prosulfuron)  
Permit® (halosulfuron)  
Princep® (simazine)  
Prowl® (pendimethalin)  
Python™ (flumetsulam)  
Ramrod® (propachlor.1)  
Roundup® Ultra (glyphosate)  
Sencor® (metribuzin)  
Roundup® Ultra RT (glyphosate)  
Spirit™ (pririsulfuron + prosulfuron)  
Stinger® (clopyralid)  
Surpass® (acetochlor)

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Sutan® + (butylate)  
 Tiber® (fenoxapropethyl + MCPA + 2,4-D)  
 TopNotch™ (acetochlor)  
 Tordon® 22K (picloram)  
 Touchdown® (sulfosate)  
 Tough® (pyridate)  
 2,4-D

#### Application Restrictions

- **DO NOT** exceed 64 fluid ounces of **Oracle Advanced Herbicide** (2 pounds acid equivalent) per acre, per year.
- Restricted Entry Interval (REI): **24 hours**
- Preharvest Interval (PHI): Refer to **Crop Specific Applications (Food Crops) Section** for preharvest intervals.
- **Crop Rotational Restrictions:** The interval between application and planting rotational crop is given below. Always exclude counting days when the ground is frozen. Planting at intervals less than specified below may result in crop injury. Moisture is essential for the degradation of this herbicide in soil. If dry weather prevails, use cultivation to allow herbicide contact with moist soil.
- **Planting/replanting restrictions for Oracle Advanced Herbicide applications of 24 fluid ounces per acre or less:** No rotational cropping restrictions apply at 120 days or more following application. Additionally, for annual crop uses in this label including corn, cotton, sorghum, and soybean. Follow the preplant use directions in the Crop Specific Information Section of this label. For barley, oats, wheat, and other grass seedlings, the interval between application and planting is 15 days per 8 fluid ounces per acre applied east of the Mississippi River and 22 days per 8 fluid ounces per acre west of the Mississippi River.
- **Planting/replanting restrictions for applications of more than 24 fluid ounces and up to 64 fluid ounces of Oracle Advanced Herbicide per acre:** Corn, sorghum cotton (east of the Rocky Mountains) and all other crops grown in areas with 30" or more of annual rainfall may be planted 120 days or more after application. Barley, oat, wheat, and other grass seedlings, maybe planted if the interval from application to planting is 30 days per 16 fluid ounces per acre east of the Mississippi River and 45 days per 16 fluid ounces per acre west of the Mississippi River. For all other crops in areas with less than 30" of annual rainfall, the interval between application and planting is 180 days or more.

#### Application Information:

- Maximum seasonal use rate (Refer to **Application Rates Section** for crop specific maximum seasonal use rates).
- Rain fall or irrigation occurring within 4 hours after post-emergence applications may reduce the effectiveness of **Oracle Advanced Herbicide**.
- Do Not apply to crops under stress due to lack of moisture, hail damage, flooding, herbicide injury, mechanical injury, insects, or widely fluctuating temperatures as injury may result.

#### Application Restrictions:

- **DO NOT** apply through any type of irrigation equipment.
- **DO NOT** treat irrigation ditches or water used for crop irrigation or domestic purposes.

### CROP SPECIFIC APPLICATIONS (Food Crops) ASPARAGUS

Apply **Oracle Advanced Herbicide** to emerged and actively growing weeds in 40-60 gallons of diluted spray per treated acre immediately after cutting the field, but at least 24 hours before the next cutting. Multiple applications may be made per growing season. If spray contacts emerged spears, crooking (twisting) of some spears may result. If such crooking occurs, discard affected spears.

**Rates and Timing:** Apply 8-16 fluid ounces of **Oracle Advanced Herbicide** to control annual sowthistle, black mustard, Canada and Russian thistle, and redroot pigweed, (carelessweed). Apply 16 fluid ounces of **Oracle Advanced Herbicide** to control common chickweed, field bindweed, nettleleaf goosefoot, and wild radish. Multiple applications may be made per growing season.

#### Crop Specific Restrictions:

- **DO NOT** exceed a total of 16 fluid ounces of **Oracle Advanced Herbicide** per treated acre, per crop year.
- **DO NOT** harvest prior to 24 hours after treatment.
- **DO NOT** use in the Coachella Valley of California.

#### Asparagus Tank Mixes

Apply 8-16 fluid ounces of **Oracle Advanced Herbicide** with glyphosate (Round Ultra®) or 2,4-D to improve control of Canada thistle and field bindweed.

### BETWEEN CROP APPLICATIONS Preplant Directions (Postharvest, Fallow Crop Stubble Set Aside) For Broadleaf Weed Control

**Oracle Advanced Herbicide** can be applied either post-harvest in the fall, spring, or summer during the fallow period or to crop stubble/set-aside acres. Apply **Oracle Advanced Herbicide** as a broadcast or spot treatment to emerged and actively growing weeds after crop harvest and before a killing frost or in the fallow cropland or crop stubble the following spring or summer.

See crop rotational restrictions listed under **Application Restrictions Section** for the labeled interval between application and planting to prevent crop injury.

**Rates and Timing:** Apply 4-32 fluid ounces of **Oracle Advanced Herbicide** per acre. Refer to **Application Rates Section** of this label to determine use rates for specific targeted weed species. For best performance, apply **Oracle Advanced Herbicide** when annual weeds are less than 6" tall, when biennial weeds are in the rosette stage and to perennial weed regrowth in late summer or fall following a mowing or



tillage treatment. The most effective control of upright perennial broadleaf weeds such as Canada thistle and Jerusalem artichoke if **Oracle Advanced Herbicide** is applied when the majority of weeds have at least 4-6" of regrowth or for weeds such as field bindweed and hedge bindweed that are in or beyond the full bloom stage. Avoid disturbing treated areas following application. Treatments may not kill weeds that develop from seed or underground plant parts such as rhizomes or bulblets, after the effective period for **Oracle Advanced Herbicide**. For seeding control, a follow-up program or other cultural practices could be instituted.

#### Between Crop Tank Mixes

**Rates and Timing:** In tank mixes with one or more of the following herbicides, apply 4-16 fluid ounces of **Oracle Advanced Herbicide** per acre for control of annual weeds, or 16-32 fluid ounces of **Oracle Advanced Herbicide** per acre for control of biennial and perennial weeds:

#### Labeled Tank-mix Partners with Oracle Advanced Herbicide for Between Crop Applications

<ul style="list-style-type: none"> <li>• Acquire®</li> <li>• Ally®</li> <li>• Amber®</li> <li>• Atrazine</li> <li>• Curtail®</li> <li>• Cyclone®</li> <li>• Fallow Master®</li> <li>• Finesse®</li> <li>• Glyphosate (Roundup Ultra®)</li> </ul>	<ul style="list-style-type: none"> <li>• Gramoxone® Extra</li> <li>• Kerb®</li> <li>• Landmaster® BW</li> <li>• Paramount®</li> <li>• Sercor®</li> <li>• Tordon® 22K</li> <li>• Touchdown®</li> <li>• 2,4-D</li> </ul>
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### Corn (Field, Pop, Seed, and Silage)

Direct contact of **Oracle Advanced Herbicide** with corn seed must be avoided. If corn seeds are less than 1.5" below the soil surface, delay application until corn has emerged. Applications of **Oracle Advanced Herbicide** to corn during periods of rapid growth may result in temporary leaning. Corn will usually become erect within 3-7 days. Cultivation should be delayed until after corn is growing normally to avoid breakage. Corn may be harvested or grazed for feed once the crop has reached the ensilage (milk) stage or later in maturity. Sequential applications of **Oracle Advanced Herbicide** may be made during the growing season (See additional Application information under

#### Crop Specific Precautions:

- Avoid using crop of concentrates after crop emergence as crop injury may result.
- Use of sprayable fluid fertilizer as the carrier is not recommended for applications of Gharda Dicamba DGA made after corn emergence.

#### Crop Specific Restrictions:

- Sequential applications must be separated by 2 weeks or more.

- **Oracle Advanced Herbicide** is not registered for use on sweet corn.
- **DO NOT** apply **Oracle Advanced Herbicide** to seed corn of popcorn.
- Use crop oil concentrates only in dry conditions when corn is less than 5" tall and when applying **Oracle Advanced Herbicide** alone or tank mixed with atrazine.

#### PREPLANT AND PRE-EMERGENCE APPLICATION IN NO TILLAGE CORN:

**Rates and Timing:** Apply 16 fluid ounces of **Oracle Advanced Herbicide** per acre on medium or fine-textured soils containing 2.5% or greater organic matter. Use 8 fluid ounces of **Oracle Advanced Herbicide** per acre on coarse soils (sand, loamy sand, and sandy loam) or medium and fine-textured soils with less than 2.5% organic matter. **Oracle Advanced Herbicide** can be applied to emerged weeds before, during, or after planting a corn crop. When planting into a legume sod (e.g., alfalfa or lover), apply after 4-6" of regrowth has occurred.

#### PRE-EMERGENCE APPLICATION IN CONVENTIONAL OR REDUCED TILLAGE CORN:

**Rates and Timing:** Apply 16 fluid ounces of **Oracle Advanced Herbicide** per treated acre to medium or fine-textured soils that contain 2.5% organic matter or more. **Oracle Advanced Herbicide** may be applied after planting and prior to corn emergence. Pre-emergence application of **Oracle Advanced Herbicide** does not require mechanical incorporation to become active. A shallow mechanical incorporation is within label if the application is not followed by adequate rainfall or sprinkler irrigation. Avoid tillage equipment (e.g., drags, harrows) that concentrate treated soil over seed furrow, as seed damage could result. Pre-emergence control of cocklebur, jimsonweed, and velvetleaf may be reduced if conditions such as low temperature or lack of soil moisture cause delayed or deep germination of weeds.

#### Crop Specific Restrictions:

- **DO NOT** apply **Oracle Advanced Herbicide** to coarse-textured soils (sand, loamy sand, or sandy loam) or any soil with less than 2.5% organic matter until after corn emergence (see **Early Postemergence Uses** below).

#### EARLY POSTEMERGENCE APPLICATION IN ALL TILLAGE SYSTEMS:

**Rates and Timing:** Apply 16 fluid ounces of **Oracle Advanced Herbicide** per treated acre. Reduce the rate to 8 fluid ounces of **Oracle Advanced Herbicide** per treated acre for corn grown on coarse-textured soils (sand, loamy sand, and sandy loam). Apply between corn emergence and the 5-leaf stage or 8" tall, whichever occurs first. Refer to **Late Postemergence Application** if the sixth true leaf is emerging from whorl or the corn is greater than 8" tall.

#### LATE POSTEMERGENCE APPLICATION:

**Rates and Timing:** Apply 8 fluid ounces of **Oracle Advanced Herbicide** per treated acre. Apply **Oracle**



**Advanced Herbicide** from 8-36" tall corn or 15 days before tassel emergence, whichever comes first. For best performance, apply when weeds are less than 3" tall. Apply directed spray when corn leaves prevent proper spray coverage, sensitive crops are growing nearby, or tank mixing with 2,4-D.

**Crop Specific Restrictions:**

- **DO NOT** apply **Oracle Advanced Herbicide** when soybeans are growing nearby if any of these conditions exist:
  - corn is more than 24' tall
  - soybeans are more than 10" tall
  - soybeans have begun to bloom

**Corn Tank Mixes or Sequential Uses**

When using tank mix or sequential applications with **Oracle Advanced Herbicide**, always follow the companion product label to determine specific use rates by soil types, weed species, and weed or crop growth stage. In addition, follow precautions and restrictions including State and Local use restrictions that may apply to specific products.

**Apply Oracle Advanced Herbicide prior to, in tank mix with, or after one or more of the following herbicides:**

Accent <sup>® 1</sup>	Harness <sup>®</sup> Xtra
Acquire <sup>™</sup>	Hornet <sup>™ 1</sup>
Atrazine	Laddok <sup>®</sup> S-12
Axiom <sup>™</sup>	Lasso <sup>®</sup>
Banvel <sup>® 1</sup>	Liberty <sup>® 3</sup>
Beacon <sup>® 1</sup>	Lightning <sup>® 5</sup>
Bicep <sup>®</sup>	Marksman <sup>® 1</sup>
Bladex <sup>®</sup>	Outlook <sup>™</sup>
Bullet <sup>®</sup>	Permit <sup>® 1</sup>
Clarity <sup>® 1</sup>	Princep <sup>®</sup>
Degree <sup>™</sup>	Prowl <sup>®</sup>
Degree Xtra	Python <sup>™</sup>
DoublePlay <sup>® 2</sup>	Oracle Advanced Herbicide <sup>® 1</sup>
Dual Magnum <sup>™</sup>	Roundup Ultra <sup>® 4</sup>
Dual II Magnum <sup>®</sup>	Roundup Ultra <sup>®</sup>
Eradicane <sup>®</sup>	RT
Exceed <sup>® 1</sup>	Sutan <sup>® 2 +</sup>
Extrazine <sup>® II</sup>	Tough <sup>®</sup>
Field Master <sup>®</sup>	2,4-D <sup>1</sup>
Frontier <sup>®</sup>	Spirit <sup>™ 1</sup>
FulTime <sup>®</sup>	Stinger <sup>® 1</sup>
Gramoxone <sup>® Extra</sup>	Surpass <sup>®</sup>
Guardman <sup>®</sup>	TopNotch
Harness <sup>®</sup>	Touchdown <sup>®</sup>

<sup>1</sup> See **Tank Mixing Instructions Section** for additional precautions or restrictions that apply for tank mix or sequential use programs with these products.

<sup>2</sup> Sequential Use only

<sup>3</sup> Use only on Liberty Link<sup>®</sup> (glufosinate tolerant) corn hybrids.

<sup>4</sup> Includes postemergence use on Roundup Ready<sup>®</sup> (glyphosate tolerant) hybrids.

<sup>5</sup> Use only Clearfield<sup>®</sup> (imidazolinone tolerant) corn hybrids.

**Specific Guidelines for Tank Mix Sequential Use Programs**

Tank Mix Partner	Rate Per Acre
Accent <sup>®</sup> or Beacon <sup>®</sup>	When tank-mixing, applications immediately following extreme day or night temperature fluctuations or applications when daytime temperatures <b>DO NOT</b> exceed 50° F may result in decreased weed control or crop injury. Delay application until the temperatures warm and both weeds and crop resume normal growth.
2,4-D	To provide maximum crop safety after corn emergence, use this tank-mix only after corn is greater than 8" tall and when application can be made with drop pipes that direct spray beneath corn leaves and away from the whorl of the corn. The maximum rate of 2,4-D in this tank-mix is 0.25 pints per acre (0.125 pounds of acid equivalent per acre).
Banvel <sup>®</sup> , Clarity <sup>®</sup> , <b>Oracle Advanced Herbicide</b> or Marksman <sup>®</sup>	Tank-mixes with these products that contain dicamba must not exceed a total combined rate of 0.50 pounds of dicamba acid equivalent per acre (0.25 pound on coarse-textured soils or on any soil when corn is greater than 8" tall). Sequential applications of these products must be separated by a minimum of 2 weeks (unless the combined rate is less than 0.5 pounds of dicamba acid equivalent and corn is 8" tall or less) and must not exceed a combined total of 0.75 pounds of dicamba acid equivalent per acre for in-crop use.
Exceed <sup>®</sup> , Spirit <sup>™</sup> , Stinger <sup>®</sup> , Hornet <sup>™</sup> , or Permit <sup>®</sup>	For improved control of velvetleaf, tank-mix 0.25-0.5 fluid ounces of Exceed <sup>®</sup> , 0.5 fluid ounces of Spirit <sup>™</sup> , or 0.17-0.33 fluid ounces Permit <sup>®</sup> per acre with <b>Oracle Advanced Herbicide</b> . For improved control of Canada thistle, Stinger <sup>®</sup> at 1.5-3 fluid ounces per acre or Hornet <sup>™</sup> at 0.6-1.2 fluid ounces per acre may be tank mixed with <b>Oracle Advanced Herbicide</b> . Use the higher rate in the range for heavier infestations of these weeds.

## COTTON (PREPLANT APPLICATION)

**Rates and Timing:** Apply up to 8 fluid ounces of **Oracle Advanced Herbicide** per acre to control emerged broadleaf weeds prior to planting cotton in conventional or conservation tillage systems. For best performance, apply **Oracle Advanced Herbicide** when weeds are in the 2-4 leaf stage and rosettes are less than 2" across. Following application of **Oracle Advanced Herbicide** and a minimum accumulation of 1" of rainfall or overhead irrigation, a waiting interval of 21 days is required per 8 fluid ounces per acre or less. These intervals must be observed prior to planting cotton.

### Crop Specific Restrictions:

- **DO NOT** apply preplant to cotton West of the Rockies.
- **DO NOT** make **Oracle Advanced Herbicide** preplant applications to cotton in geographic areas with average annual rainfall less than 25".
- If applying a spring preplant treatment following application of a fall preplant (postharvest) treatment, then the combination of both treatments must not exceed 2 pounds acid equivalent per acre.

### Cotton Tank Mixes

For control of grasses or additional broadleaf weeds, **Oracle Advanced Herbicide** may be tank-mixed with Bladex®, Caparol®, Gramoxone® Extra, and Roundup Ultra® RT herbicides.

## PROSO MILLET (For use only within Colorado, Nebraska, North Dakota, South Dakota, and Wyoming)

**Oracle Advanced Herbicide** combined with 2, 4-D will provide control or suppressions of annual broadleaf weeds.

**Rates and Timing:** Apply 4 ounces of **Oracle Advanced Herbicide** with 0.375 pounds a.i. of 2, 4-D. Apply the tank mix of **Oracle Advanced Herbicide** + 2, 4-D as a broadcast or spot treatment to emerged and actively growing weeds and when proso millet is in the 2-5 leaf stage. Use directions for 2, 4-D products vary with manufacturers. Refer to a 2,4-D product with labeling consistent with the crop stage timing for **Oracle Advanced Herbicide**. Some types of proso millet may be affected adversely by a tank-mix of **Oracle Advanced Herbicide** + 2, 4-D.

### Crop Specific Precautions:

- Do not apply unless possible proso millet crop injury will be acceptable.

Restrictions for proso millet that is grazed or cut for hay are indicated in the **Pasture, Hay and Rangeland Section** of this label.

## PASTURE, HAY, RANGELAND

**Oracle Advanced Herbicide** is labeled for use on pasture, hay and rangeland for control or suppression of broadleaf weed and brush species listed in the **Weeds Controlled Section** of this label.

**Oracle Advanced Herbicide** may also be applied to non-cropland areas to control broadleaf weeds in noxious weed control programs, districts, or areas including broadcast or spot treatment of roadsides and highways, utilities, railroads, and pipeline rights-of-way. Noxious weeds must be administered at State or Local level. **Oracle Advanced Herbicide** uses described in this section also pertain to small grains (forage sorghum, rye, sudangrass, or wheat) grown for pasture use only. Some perennial weeds may be controlled with lower rates of either **Oracle Advanced Herbicide** or **Oracle Advanced Herbicide** plus 2, 4-D (refer to **Applications Rate Section**).

**Rates and Timing:** Refer to the **Application Rate Section** for rate selection based on targeted weed or brush species. Some weed species will require tank mixes for adequate control.

### Crop Specific Restrictions:

- Rates above 32 fluid ounces of **Oracle Advanced Herbicide** per acre are for spot treatments only
- **DO NOT** broadcast apply more than 32 fluid ounces per acre.
- Retreatment may be made as needed; however, **DO NOT** exceed a total of 32 fluid ounces of **Oracle Advanced Herbicide** per treated acre during a growing season.
- **DO NOT** apply more than 16 fluid ounces of **Oracle Advanced Herbicide** per acre to small grains grown for pasture.

### Crop Specific Precautions:

- Newly seeded areas may be severely injured if more than 16 fluid ounces of **Oracle Advanced Herbicide** is applied per acre. Established grass crops grown under stress can exhibit various injury symptoms that may be more pronounced if herbicides are applied. Bentgrass carpetgrass, buffalograss, and St. Augustinegrass may be injured if more than 16 fluid ounces of **Oracle Advanced Herbicide** is applied per acre. Usually colonial bentgrasses are more tolerant than creeping types Velvetgrasses are most easily injured.

See below for the timing restrictions for grazing or harvesting hay from treated fields. There are no grazing restrictions for animals other than lactating dairy animals.

### Timing Restrictions for Lactating Dairy Animals following Treatment

Oracle Advanced Herbicide Rate per Treated Acre	Days Before Grazing	Days Before Hay Harvest
Up to 1 pint (16 fluid ounces)	7 days	37 days
Up to 2 pints (32 fluid ounces)	21 days	57 days
Up to 4 pints (64 fluid ounces)	40 days	70 days

### PASTURE AND RANGELAND APPLICATIONS

**Water Emulsion Applications:** **Oracle Advanced Herbicide** can be applied using water, oil in water emulsions

including invert systems, or sprayable fluid fertilizer as a carrier (Refer to the **Compatibility Test for Mix Components Section**).

To prepare oil in water emulsions, half-fill spray tank with water, then add the appropriate amount of emulsifier. With continuous agitation, slowly add the herbicide and then the oil (such as diesel oil or fuel oil) or a premix of oil plus additional emulsifier to spray tank. Complete filling of spray tank with water. Maintain vigorous agitation during spray operation to prevent oil and water from forming separate layers. **Oracle Advanced Herbicide** may be applied broadcast using either ground or aerial application equipment.

**Aerial Application:** Spray Volume: Use 2-4 gallons of diluted spray per treated acre in a water-based carrier.

**Ground Application:** Spray volume: Use 3-600 gallons of diluted spray per treated acre. The volume of spray applied will depend on the height, density, and type of weeds or brush being treated and on the type of equipment being used.

**Spot Treatments:** **Oracle Advanced Herbicide** may be applied to individual clumps or small areas of undesirable vegetation using handgun or similar types of application equipment. Apply diluted sprays to allow complete wetting (up to runoff) of foliage and stems.

**Cut Surface Treatment:** **Oracle Advanced Herbicide** may be applied as a cut surface treatment for control of unwanted trees and prevention of sprouts of cut trees.

**Rates and Timing:** Mix 1 part **Oracle Advanced Herbicide** with 1-3 parts water to create the application solution. Use the lower dilution rate when treating difficult-to-control species.

**For Frill or Girdle Treatment:** Make a continuous cut or a series of overlapping cuts using an axe to girdle tree trunk. Spray or paint the cut surface with the solution.

**For Stump Treatments:** Spray or paint freshly cut surface with the water mix. The area adjacent to the bark should be thoroughly wet. **Note:** For more rapid foliar effects, 2,4-D may be added to the solution.

**Lo-oil Basal Bark Treatments:** For lo-oil basal bark treatments, apply **Oracle Advanced Herbicide** to the basal stem region from the ground line to a height of 12-18 inches.

**Rates and Timing:** Spray until runoff, with special emphasis on covering the root crown. For best results, apply **Oracle Advanced Herbicide** when plants are dormant.

**To prepare approximately 2 gallons of a Lo-oil spray solution:**

1. Combine 1.5 gallons of water, 1 ounce of emulsifier, 16 fluid ounces of **Gharda Dicamba DGA**, and 2.5 pints of No. 2 diesel fuel.
2. Adjust the amounts of materials used proportionately to the amount of final spray solution desired.

**Crop Specific Restrictions:**

- **DO NOT** apply after bud break or when plants are showing signs of active growth.

- **DO NOT** apply when snow or water prevents applying **Oracle Advanced Herbicide** to the ground line.
- **DO NOT** exceed 8 gallons of spray solution mix applied per acre, per year.

**Applications For Control of Dormant Multiflora Rose**  
**Oracle Advanced Herbicide** can be applied when plants are dormant as an undiluted spot treatment directly to the soil or as a Lo-oil basal bark treatment using an oil-water emulsion solution.

**Spot treatments:** Spot treatment applications of **Oracle Advanced Herbicide** to Multiflora Rose should be applied directly to the soil as close as possible to the root crown but within 6-8" of the crown. On sloping terrain, apply **Oracle Advanced Herbicide** to the uphill side of the crown.

**Rates and Timing:** The use rate of **Oracle Advanced Herbicide** depends on the canopy diameter of the multiflora rose. **Examples:** Use 0.25, 1.0, or 2.35 fluid ounces of **Oracle Advanced Herbicide** respectively, for 5, 10, or 15 feet canopy diameters.

**Dormant Rose Specific Restrictions:**

- **DO NOT** apply when snow or water prevents applying **Oracle Advanced Herbicide** directly to the soil.

**Pasture Tank Mixes**

*Oracle Advanced Herbicide may be applied in tank mixes with one or more of the following herbicides:*

Acquire®	Gramoxone® Extra
Ally®	Roundup Ultra® RT
Amber®	Stinger®
Crossbow®	Tordon® 22K
Curtail®	2,4-D
Garlon®	

**CONSERVATION RESERVE PROGRAM (CRP)**

**Oracle Advanced Herbicide** is labeled or use on both newly seeded and established grasses grown in Conservation Reserve or federal Set-Aside Programs. Treatments of **Oracle Advanced Herbicide** will injure or may kill alfalfa, clovers, lespedeza, wild winter peas, vetch, and other legumes.

**NEWLY SEEDED AREAS**

**Oracle Advanced Herbicide** may be applied either preplant or postemergence to newly seeded grasses or small grains such as barley, oats, rye sudangrass, wheat, or other grain species grown as a cover crop. Postemergence applications may be made after seedling grasses exceed the 3-leaf stage. Preplant applications may injure new seedlings if the interval between application and grass planting is less than 45 days per 16 fluid ounces of **Oracle Advanced Herbicide** applied per treated acre west of the Mississippi River or 20 days per 16 fluid ounces applied east of the Mississippi River.

**Crop Specific Precautions:**

- Rates of **Oracle Advanced Herbicide** greater than 16 fluid ounces per treated acre may severely injure newly seeded grasses.

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**ESTABLISHED GRASS STANDS**

Established grass stands are perennial grasses planted one or more seasons prior to treatment. When applied at labeled rates, **Oracle Advanced Herbicide** will control many annual and biennial weeds and provide control or suppression of many perennial weeds. Refer to **Application Rates Section** for rates based on target weed species.

**Rates and Timing:** Apply 4-32 fluid ounces of **Oracle Advanced Herbicide** per acre. Retreatment may be made as needed.

**Crop Specific Precautions:**

- Certain species (bentgrass, carpetgrass, smooth brome, buffalograss, or St. Augustinegrass) may be injured when treated with more than 16 fluid ounces of **Oracle Advanced Herbicide** per treated acre.
- (See additional **Application Precautions** under **NEWLY SEEDED AREAS** above).

**Crop Specific Restrictions:**

- **DO NOT** exceed a total of 64 fluid ounces (4 pints) of **Oracle Advanced Herbicide** per Acre/year.

**CRP Tank Mixes:** **Oracle Advanced Herbicide** may be tank-mixed or applied sequentially with other products labeled for use in Conservation Reserve Programs such as atrazine, **Cyclone**<sup>®</sup>, glyphosate (Acquire<sup>®</sup>, Roundup Ultra<sup>®</sup>), Gramoxone<sup>®</sup> Extra, Touchdown<sup>®</sup>, or 2,4-D.

**SMALL GRAINS****(Fall and Spring seeded barley, oats, triticale and wheat not under seeded to legumes)**

**Oracle Advanced Herbicide** combinations with listed tank mix partners will provide control or suppression of the annual broadleaf weeds listed in the **Application Rates Section**. For improved control of listed weeds, tank-mix **Oracle Advanced Herbicide** with one or more of the herbicides listed.

**Oracle Advanced Herbicide** used in a tank mix with other herbicides offers the best spectrum of weed control and herbicide tolerant or resistant weed management.

**Rates and Timing:** (Refer to the specific crop for application rate and timing.)

For applications prior to weed emergence or when sulfonylurea-resistant weeds are present or suspected, tank-mix a minimum of 3 fluid ounces of **Oracle Advanced Herbicide** per treated acre with a non-sulfonylurea herbicide such as 2,4-D or MCPA. Tank-mixing **Oracle Advanced Herbicide** with these products will offer more consistent control of sulfonylurea-resistant weeds.

**Tank Mix Additives:** When tank-mixing **Oracle Advanced Herbicide** with sulfonylurea herbicides (Ally<sup>®</sup>, Amber<sup>®</sup>, Canvas<sup>®</sup>, Express<sup>®</sup>, Finesse<sup>®</sup>, Glean<sup>®</sup>, Harmony<sup>®</sup> Extra, and Peak<sup>®</sup>), use 1-4 pints of an agriculturally approved surfactant (containing at least 80% active ingredient) per 100 gallons of

spray or not more than 0.25-0.5% by volume. Use the highest rate of surfactant when using the lower rate ranges of the tank mix or when treating more mature and difficult to control weeds or dense vegetative growth. **Refer to specific crop sections below for Small Grains crop specific use rates.**

When treating difficult to control weeds such as kochia, wild buckwheat, cow cockle, prostrate knotweed, Russian thistle, and prickly lettuce or when dense vegetative growth occurs, use 3-4 fluid ounces of **Oracle Advanced Herbicide** per acre. Apply **Oracle Advanced Herbicide** before, during, or after planting small grains. See specific small grain crop uses below for maximum crop stage. For best performance, apply **Oracle Advanced Herbicide** when weeds are in the 2-3 leaf stage and rosettes are less than 2 inches across. Applying **Oracle Advanced Herbicide** to small grains during periods of rapid growth may result in crop leaning. This condition is temporary and will not reduce crop yields.

Applications to small grains may be made aerially with 1 gallon of water or more per acre. Where dense foliage is present, 2-3 gallons of water per acre should be used. Restrictions for small grain areas that are grazed or cut for hay are indicated in the **Pasture, Hay, Rangeland Section** of this label.

**SMALL GRAINS****(Fall and Spring seeded barley)  
EARLY SEASON APPLICATIONS**

**Rates and Timing:** Apply 2-4 fluid ounces of **Oracle Advanced Herbicide** to fall-seeded barley prior to the jointing stage. Apply 2-3 fluid ounces of **Oracle Advanced Herbicide** before spring-seeded barley exceeds the 4 leaf stage.

**Note:** For spring barley varieties that are seeded during the winter months or later, follow the rates and Timing given for spring-seeded barley.

**PREHARVEST APPLICATIONS**

**Oracle Advanced Herbicide** can be used to control weeds that may interfere with harvest of fall and spring-seeded barley.

**Rates and Timing:** Apply 8 fluid ounces of **Oracle Advanced Herbicide** per acre as a broadcast or spot treatment to annual broadleaf weeds when barley is in the hard dough stage and the green color is gone from the nodes (joints) of the stem. Best results will be obtained if application can be made when weeds are actively growing but before weeds canopy.

**Crop Specific Restrictions:**

- A waiting interval of 7 days is required before harvest.
- **DO NOT** use preharvest-treated barley for seed unless a germination test is performed on the seed with an acceptable result of 95% germination or better.
- **DO NOT** make preharvest applications in California.

**Barley Tank mixes**

For control of additional broadleaf weeds or grasses, **Oracle Advanced Herbicide** may be tank mixed with other herbicides, such as 2,4-D, that are labeled for preharvest uses in barley (See below).

**Preharvest Tank Mix Specific Restrictions:**

- **DO NOT** tank mix **Oracle Advanced Herbicide** with 2,4-D in early season applications in spring-seeded barley.

**Barley Tank Mixes**

Tank Mix Partners	Rate Per Acre
Ally®	0.05 - 0.1 fluid ounces <sup>1</sup>
Amber®	0.14 - 0.28 fluid ounces <sup>1</sup>
Bronate®	0.75 - 1.5 pints (12 - 24 fluid ounces)
Buctril®	1 - 1.5 pints (16 - 24 fluid ounces)
Canvas®	0.2 - 0.4 fluid ounces <sup>1</sup>
Express®	0.083 - 0.167 fluid ounces <sup>1</sup>
Finesse®	0.167 - 0.33 fluid ounces <sup>1</sup>
Glean®	0.167 fluid ounces <sup>1</sup>
Harmony Extra®	0.167 - 0.33 fluid ounces <sup>1</sup>
MCPA amine or ester	8 - 12 fluid ounces <sup>2</sup> (0.25 - 0.375 pound a.e.)
Metribuzin (Sencor®, Lexone®)	0.125 - 0.47 pound a.i.
2,4-D amine or ester <sup>2,3</sup>	8 fluid ounces (0.25 pound a.e.)

<sup>1</sup> **DO NOT** use low rates of sulfonyleureas (Ally®, Amber®, Canvas®, Express®, Finesse®, Glean®, and Harmony Extra®) on more mature weeds or on dense vegetative growth.

<sup>2</sup> When using formulations other than 4 pounds per gallon use pounds or a.e. per acre listed.

<sup>3</sup> This tank mix is for fall seeded barley only.

**SMALL GRAINS****(Fall and Spring-seeded oats)  
EARLY SEASON APPLICATIONS**

**Rates and Timing:** Apply 2-4 fluid ounces of **Oracle Advanced Herbicide** per acre to fall-seeded oats prior to jointing stage. Apply 2-4 fluid ounces of **Oracle Advanced Herbicide** before spring-seeded oats exceed the 5-leaf stage. **Oracle Advanced Herbicide** may be tank-mixed with MCPA amine or ester for applications in oats.

**Oats Specific Restrictions:**

- **DO NOT** tank mix **Oracle Advanced Herbicide** with 2,4-D in oats.

**SMALL GRAINS****(Fall and Spring seeded triticale)  
EARLY SEASON APPLICATIONS**

**Rates and Timing:** Apply 2-4 fluid ounces of **Oracle Advanced Herbicide** to triticale. Early season applications to fall seeded triticale must be made prior to the jointing stage. Early season applications to spring-seeded triticale must be made before triticale reaches the 6-leaf stage.

**Triticale Tank-Mixes:** For best performance, should be used to tank-mix combination with bromoxynil (**Buctril®**, **Moxy® 2E**) herbicide.

**SMALL GRAINS****(Fall- and Spring seeded wheat)  
EARLY SEASON APPLICATION**

**Rates and Timing:** Apply 2-4 fluid ounces of **Oracle Advanced Herbicide** to wheat unless using one of the Fall seeded wheat specific programs below. Early season applications to fall seeded wheat must be made prior to the jointing stage. Early season applications to spring-seeded wheat must be made before wheat reaches the 6-leaf stage. Early developing wheat varieties such as TAM 107, Mason, or Wakefield must receive application between early tillering and the jointing stage. Care should be taken in staging these varieties to be certain that the application occurs prior to the jointing stage. To improve control of Russian thistle, flaxweed, gromwell, or mayweed, add 2 4-D amine or ester to a tank-mix with one of the following herbicides: Ally®, Amber®, Canvas®, Express®, Finesse®, Glean®, Harmony Extra®, or Peak®.

**STATE SPECIFIC USE PROGRAMS FOR FALL-SEEDED WHEAT ONLY**

**Oracle Advanced Herbicide** may be used at 6 fluid ounces on fall seeded wheat in Western Oregon as a spring application only. In Colorado, Kansas, New Mexico, Oklahoma, and Texas, up to 8 fluid ounces of **Oracle Advanced Herbicide** may be applied on fall seeded wheat after it exceeds the 3-leaf stage for suppression of perennial weeds, such as field bindweed. Applications may be made in the fall following a frost but before a killing freeze. **Oracle Advanced Herbicide** may be tank-mixed with 2,4-D amine at 8 fluid ounces after wheat begins to tiller. Periods of extended stress such as cold and wet weather may enhance the possibility of crop injury. For fall applications only, **DO NOT** use if the potential for crop injury is not acceptable.

**PREHARVEST APPLICATIONS**

**Oracle Advanced Herbicide** can be used to control weeds that may interfere with harvest of wheat.

**Rates and Timing:** Apply 8 fluid ounces **Oracle Advanced Herbicide** per acre as a broadcast or spot, treatment to annual broadleaf weeds when wheat is in the hard dough stage and the green color is gone from the nodes (joints) of the stem. Best results will be obtained if application can be made when weeds are actively growing but before weeds canopy.



**Wheat Preharvest Application Restrictions:**

- A waiting interval of 7 days is required before harvest.
- **DO NOT** use preharvest treated wheat for seed unless a germination test is performed on the seed with an acceptable result of 95% germination or better.
- **DO NOT** make preharvest applications in California.

**Wheat Tank mixes (Preharvest Applications):** For control of additional broadleaf weeds or grasses, **Oracle Advanced Herbicide** may be tank-mixed with other herbicides listed below.

**Wheat Tank Mixes (Preharvest Applications)**

Tank Mix Partners	Rate Per Acre
Ally®	0.05 - 0.1 fluid ounces <sup>1</sup>
Amber®	0.14 - 0.28 fluid ounces <sup>1</sup>
Bronate®	0.75 - 1.5 pints (12 - 24 fluid ounces)
Buctril®	1 - 1.5 pints (16 - 24 fluid ounces)
Canvas®	0.2 - 0.4 fluid ounces <sup>1</sup>
Curtail®	2 - 2.67 pints (32 - 42.7 fluid ounces)
Dakota® <sup>2</sup>	16 fluid ounces
Express®	0.083 - 0.167 fluid ounces <sup>1</sup>
Finesse®	0.167 - 0.33 fluid ounces <sup>1</sup>
Glean®	0.167 fluid ounces <sup>1</sup>
Harmony Extra®	0.167 - 0.33 fluid ounces <sup>1</sup>
Karmex® <sup>3</sup>	0.5 - 1.5 pounds
Glyphosate (Roundup Ultra® RT) <sup>4</sup>	12 - 16 fluid ounce
MCPA amine or ester <sup>5</sup>	8 - 12 fluid ounce (0.25 - 0.375 pound a.e.)
Metribuzin (Sencor®, Lexone®) <sup>3</sup>	0.25 - 0.375 pound a.i.
Peak® <sup>1</sup>	0.25 - 0.38 fluid ounces
Stinger®	4 - 5.33 fluid ounce
Tiller® <sup>2</sup>	1 - 1.7 pints (16 - 27.2 fluid ounces)
2,4-D amine or ester <sup>5</sup>	8 fluid ounces (0.25 pound a.e.)

<sup>1</sup> **DO NOT** use low rates of sulfonylureas (Ally®, Amber®, Canvas®, Express®, Finesse®, Glean®, Harmony Extra®, and Peak®) on more mature weeds or on dense vegetative growth.

<sup>2</sup> **DO NOT** use **Oracle Advanced Herbicide** as a tank mix treatment with Dakota or Tiller on Durum wheat. **DO NOT tank-mix with Tiller if wild oat is the target weed.**

<sup>3</sup> Tank-mixes with Karmex® and Metribuzin® are for use in fall-seeded wheat only.

**Wheat Tank Mixes (Preharvest Applications) (continued)**

<sup>4</sup> A tank-mix of up to 4 fluid ounces of **Oracle Advanced Herbicide** with Roundup Ultra RT or any glyphosate formulation labeled for use as a preplant application to small grains may be applied with no waiting period prior to planting.

<sup>5</sup> Up to 32 fluid ounces of (1.0 pound a.e.) may be used on fall-seeded wheat if crop injury is acceptable. When using formulations other than 4 pounds per gallon, use the pounds of a.e. per acre listed.

**SORGHUM**

**Oracle Advanced Herbicide** may be applied preplant, preharvest or postemergence in sorghum to control many annual broadleaf weeds and to reduce competition from established perennial broadleaf weeds as well as control their seedlings.

**Crop Specific Restrictions:**

- **DO NOT** graze or feed treated sorghum forage or silage prior to mature grain stage if sorghum is grown for pasture or hay, refer to **Pasture, Hay, Rangeland, and General Farmstead Section** of this label for specific grazing and feeding restrictions.

- **DO NOT** apply if sorghum is grown for seed production.

**PREPLANT APPLICATION**

**Rates and Timing:** Up to 8 fluid ounces of **Oracle Advanced Herbicide** may be applied per acre if applied at least 15 days before sorghum planting.

**POSTEMERGENCE APPLICATION**

**Rates and Timing:** Up to 8 fluid ounces of **Oracle Advanced Herbicide** per acre may be applied after sorghum is in the spike stage (all sorghum emerged) but before sorghum is 15" tall. For best performance, apply when the sorghum crop is in the 3-5 leaf stage and weeds are small (less than 3" tall). Use drop pipes (drop nozzles) if sorghum is taller than 8". Keep the spray off the sorghum leaves and out of the whorl to reduce the likelihood of crop injury and to improve spray coverage of weed foliage. Applying **Oracle Advanced Herbicide** to sorghum during periods of rapid growth may result in temporary leaning of plants or rolling of leaves. These effects are usually outgrown within 10-14 days.

**Preharvest uses in Texas and Oklahoma only:** Up to 8 fluid ounces of **Oracle Advanced Herbicide** per acre may be applied for weed suppression any time after the sorghum has reached the soft dough stage. An agriculturally approved surfactant may be used to improve performance. For aerial applications, use at least 2 gallons of water-based carrier per treated acre. Delay harvest until 30 days after a preharvest treatment.

**SPLIT APPLICATION**

**Oracle Advanced Herbicide** may be applied in split applications, preplant followed by postemergence or preharvest; or postemergence followed by preharvest.

**Crop Specific Restrictions:**

- **DO NOT** exceed 8 fluid ounces per acre; per application or a total of 16 ounces per acre, per season.

(continued)

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**Sorghum Tank Mixes and Sequential Treatments**

**Oracle Advanced Herbicide may be applied prior to, in a tank mix with, or after one or more of the following herbicides:**

Acquire®	Guardsman®
Atrazine	Laddok® S-12
Basagran®	Landmaster®
Bicep II Magnum®	Lasso®
Bucgtril®	Outlook®
Cyclone®	Paramount®
Dual Magnum®	Peak®
Dual II Magnum®	Permit®
Fallow Master®	Ramrod®
Frontier®	Roundup Ultra®
Gromoxone® Extra	

## SOYBEAN (PREPLANT APPLICATIONS)

**Rates and Timing:** Apply 4-16 fluid ounces of **Oracle Advanced Herbicide** per acre to control emerged broadleaf weeds prior to planting soybeans. These intervals must be observed prior to planting soybeans or crop injury may occur.

**Crop Specific Restrictions:**

- **DO NOT** exceed 16 fluid ounces of **Oracle Advanced Herbicide** per acre in a spring application prior to planting soybeans.
- Following application of **Oracle Advanced Herbicide** and a minimum accumulation of 1" rainfall or overhead irrigation, a waiting interval of 14 days is required for fluid ounces per acre or less, and 28 days for 16 fluid ounces per acre.
- **DO NOT** make **Oracle Advanced Herbicide** preplant applications to soybeans in geographic areas with average annual rainfall less than 25".

**PREHARVEST APPLICATIONS**

**Oracle Advanced Herbicide** can be used to control many annual and perennial broadleaf weeds and control or suppress many biennial and perennial broadleaf weeds in soybean prior to harvest (refer to **Weed Control Section**).

**Rates and Timing:** Apply 8-32 fluid ounces of **Oracle Advanced Herbicide** per acre as a broadcast spot treatment to emerged and actively growing weeds after soybean pods have reached mature brown color and at least 75% leaf drop has occurred. Soybeans may be harvested 14 days or more after a preharvest application. Treatments may not kill weeds that develop from seed or underground plant parts, such as rhizomes or bulblets, after the effective period for **Oracle Advanced Herbicide**. For seedling control, a follow-up program or other cultural practice could be instituted.

**Crop Specific Restrictions:**

- **DO NOT** use preharvest-treated soybean for seed unless a germination test is performed on the seed with an acceptable result of 95% germination or better.
- **DO NOT** feed soybean fodder or hay following a preharvest application of **Oracle Advanced Herbicide**.
- **DO NOT** make preharvest applications in California.

**Soybean Tank Mixes (Preplant):** **Oracle Advanced Herbicide** may be tank-mixed with other herbicides registered

for early preplant use in soybeans including burndown herbicides such as glyphosate (Acquire®, Roundup Ultra®) and 2,4-D or residual herbicides such as Outlook®, Frontier® or Dual Magnum®.

**Soybean Tank Mixes (Preharvest):** **Oracle Advanced Herbicide** may be tank mixed with other herbicides registered for preharvest use in soybeans such as glyphosate (Roundup Ultra®) and Gramoxone Extra®.

**SUGARCANE**

**Rates and Timing:** Apply **Oracle Advanced Herbicide** for control of annual, biennial, or perennial broadleaf weeds listed in the **Weeds Controlled Section** of this label. Apply 8-24 fluid ounces of **Oracle Advanced Herbicide** per acre for control of annual weeds, 16-32 fluid ounces for control of biennial weeds, and 32-64 fluid ounces for control or suppression of perennial weeds. Use the higher level of listed rate ranges when treating dense vegetative growth. Retreatments may be made as needed. Refer to **Best Stewardship Practices Section** to avoid direct runoff from impervious surfaces.

**Oracle Advanced Herbicide** may be applied to sugarcane any time after weeds have emerged, but before the close-in stage of sugarcane. Applications of 32 fluid ounces of **Oracle Advanced Herbicide** per acre made over the top of actively growing sugarcane may result in crop injury. When possible, direct the spray beneath the sugarcane canopy to minimize the likelihood of crop injury. Using directed sprays will also help maximize the spray coverage of weed foliage.

**Crop Specific Restrictions:**

- **DO NOT** exceed a total of 64 fluid ounces of **Oracle Advanced Herbicide** per treated acre during a growing season.
- **Delay harvest until 87 days after treatment.**

**Sugarcane Tank-Mixes**

**Oracle Advanced Herbicide** may be tank-mixed with other products registered for use in sugarcane such as Asulox®, atrazine, Evik®, and 2,4-D.

## CROP SPECIFIC INFORMATION (Non-food Applications)

**READ AND OBSERVE MANAGEMENT OF OFF-SITE MOVEMENT IN THE DIRECTIONS FOR USE SECTION OF THIS LABEL.**

## GENERAL FARMSTEAD, RIGHTS-OF-WAY, UTILITY AND INDUSTRIAL AREAS, FENCEROWS, FOREST SITE PREPARATION, and NATURAL AREAS

**Oracle Advanced Herbicide** is labeled for General Farmstead weed and brush control on uncultivated Agricultural land (non-food producing) and for use on non-crop land areas including: Rights-of-Way (such as, roadways, rest areas, utility, railroad, highway, pipeline, and rights-of-way that run through pasture and rangeland), utility facilities (such as, substations, pipelines, tank farms, pumping stations, parking and storage areas, fence rows, and non-irrigated ditch banks), brush control for forest site preparation



or maintenance, and natural areas (including wildlife management areas, wildlife openings, wildlife habitats, recreation areas, campgrounds, trailheads and trails).

#### Mixing and Application Directions

**Oracle Advanced Herbicide** can be applied using water, oil in water emulsions including invert systems, or with sprayable fluid fertilizer as a carrier. Herbicide adjuvants or other spray additives (emulsifiers, spreader stickers, surfactants, wetting agents, drift control agents, or penetrants) may be used for wetting, penetration, or drift control. Spray additives must be agriculturally approved when used in pasture (Crop) applications. If spray additives are used, read and follow all use directions, restrictions and precautions on the product label. In addition, some weed species will require additional tank mixes for adequate control. The herbicide products listed in Table 14 may be mixed and applied with **Oracle Advanced Herbicide** according to the specific tank-mixing instructions in this label and respective product labels. **Read and follow the applicable Precautions, Restrictions and Directions For Use for all products involved in tank-mixing. The most restrictive labeling applies to tank-mixes.**

Due to the differences that may occur between certain formulated products and specific use ingredients (e.g. Water supplies), a compatibility test (see **Compatibility Test Section**) is advised prior to actual tank mixing.

#### Oracle Advanced Herbicide Non-crop Labeled Tank Mixes

Herbicide	Rates (lbs. a.i./Acre)
Norflurazon (Predict <sup>®</sup> )	<b>Consult product labels for rates.</b>
Prodiamine (Endurance <sup>®</sup> )	
Glufosinate (Finale <sup>®</sup> )	
Glyphosate (Roundup <sup>®</sup> , Accord <sup>®</sup> )	
Metsulfuron methyl (Escort <sup>®</sup> )	
Pendimethalin (Pendulum <sup>®</sup> )	
Triclopyr (Redeem <sup>®</sup> , Garlon <sup>®</sup> )	
Clopyralid (Transline <sup>®</sup> )	
Bromacil (Hyvar <sup>®</sup> )	
Chlorsulfuron (Telar <sup>®</sup> )	
Diquat (Reward <sup>®</sup> )	
Simazine (Princepp)	
Diuron (Karmex <sup>®</sup> )	
DSMA	
Fosamine ammonium (Krenite <sup>®</sup> )	
Hexazinone (Velpar <sup>®</sup> )	
Imazapyr (Arsenal <sup>®</sup> )	
Imazemeth (Plateau <sup>®</sup> )	
MSMA	
Sulfometuron methyl (Oust <sup>®</sup> )	
Sulfosate (Touchdown <sup>®</sup> )	
Tebuthiuron (Spike <sup>®</sup> )	
2,4 - D	

#### Broadcast Applications

**Spray: Oracle Advanced Herbicide** may be applied broadcast using ground application equipment only. Use 3-600 gallons of diluted spray per treated acre. The volume of spray applied will depend on the height, density, and type of weeds or brush being treated and on the type of equipment being used.

**Spot: Oracle Advanced Herbicide** may be applied to individual clumps or small areas of undesirable vegetation using handgun or similar types of application equipment. Apply diluted sprays to allow complete wetting (up to runoff) of foliage and stems.

**Rates and Timing:** See **Applications Rate Section** for rate selection based on targeted weed or brush species.

#### Broadcast Application Restrictions:

- **DO NOT** broadcast apply more than 32 fluid ounces per acre.
- Retreatments may be made as needed; however, **DO NOT** exceed a total of 32 fluid ounces of **Oracle Advanced Herbicide** per broadcast treated acre per year.
- Rates above 32 fluid ounces of **Oracle Advanced Herbicide** per acre may be applied as spot treatments only.

### OIL EMULSION

**Oracle Advanced Herbicide** can be applied using water, oil in water emulsions including invert systems, or sprayable fluid fertilizer as a carrier.

**Mixing Instructions:** To prepare oil in water emulsions, half-fill spray tank with water, then add the appropriate amount of emulsifier. With continuous agitation, slowly add the herbicide and then the oil (such as diesel oil or fuel oil) or a premix of oil plus additional emulsifier to spray tank. Complete filling of spray tank with water. Maintain vigorous agitation during spray operation to prevent oil and water from forming separate layers.

### CUT SURFACE TREATMENT

**Oracle Advanced Herbicide** may be applied as a cut surface treatment for control of unwanted trees and prevention of sprouts of cut trees.

**Rates and Timing:** Mix 1 part **Oracle Advanced Herbicide** with 1-3 parts water to create the application solution. Use the lower dilution rate when treating difficult-to-control species.

**For Frill or Girdle Treatments:** Make a continuous cut or a series of overlapping cuts using an axe to girdle tree trunk. Spray or paint the cut surface with the solution.

**For Stump Treatments:** Spray or paint freshly cut surface with the water mix. The area adjacent to the bark should be thoroughly wet. **Note:** For more rapid foliar effects, 2,4-D may be added to the solution.

### LO-OIL WOODY BASAL TREATMENT

For lo-oil basal bark treatments, apply **Oracle Advanced Herbicide** to the basal stem region from the ground line to a height of 12-18 inches.

**Rates and Timing:** Spray until runoff, with special emphasis on covering the root crown. For best results, apply **Oracle Advanced Herbicide** when plants are dormant.

**Mixing Instruction:** To prepare approximately 2 gallons of a Lo-oil spray solution:

1. Combine 1.5 gallons of water, 1 ounce of emulsifier, 16 fluid ounces of **Gharda Dicamba DGA**, and 2.5 pints of No. 2 diesel fuel.
2. Adjust the amounts of materials used proportionately to the amount of final spray solution desired.

**Lo-Oil Basal Restrictions:**

- **DO NOT** apply after bud break or when plants are showing signs of active growth.
- **DO NOT** apply when snow or water prevents applying **Oracle Advanced Herbicide** to the ground line.
- **DO NOT** exceed 8 gallons of spray solution mix applied per acre, per year.

### DORMANT APPLICATIONS (FOR CONTROL OF MULTIFLORA ROSE)

**Oracle Advanced Herbicide** can be applied when plants are dormant as an undiluted spot treatment directly to the soil or as a Lo-oil basal bark treatment using an oil-water emulsion solution.

**Spot Treatment:** Spot treatment applications of **Oracle Advanced Herbicide** for Multiflora Rose should be applied directly to the soil as close as possible to the root crown but within 6-8" of the crown. On sloping terrain, apply **Oracle Advanced Herbicide** to the uphill side of the crown.

**Rates and Timing:** The use rate of **Oracle Advanced Herbicide** depends on the canopy diameter of the multiflora rose. **Examples:** Use 0.25, 1.0, or 2.35 fluid ounces of **Oracle Advanced Herbicide** respectively, for 5, 10, or 15 feet canopy diameters.

**Dormant Multiflora Rose Restrictions:**

- **DO NOT** apply when snow or water prevents applying **Oracle Advanced Herbicide** directly to the soil.

### FOREST SITE PREPARATION

**Site Specific Information**

**Oracle Advanced Herbicide** may be used for control of undesirable conifers as well as many broadleaf weeds, vines, brambles, hardwood brush, and trees in forest site preparation. **Oracle Advanced Herbicide** may be applied as broadcast foliar sprays from ground or aerial equipment. **Oracle Advanced Herbicide** is absorbed through the leaf surfaces quickly after spraying and will also be absorbed from the soil by the roots. Translocation through the leaves, stems, and roots provides control of undesirable young conifer and broadleaf species. Woody plants, brush, and trees may not display the full extent of herbicide efficacy until several months following treatment. **Oracle Advanced Herbicide** provides application flexibility for extended

windows of application and tank mix options (refer to Mixing and Application Instructions and Tank Mix Options).

**Mixing and Application Instructions**

**Ground Operated Spray Equipment**

Thoroughly mix and apply the labeled amount of **Oracle Advanced Herbicide** (2 qts./A maximum) in a minimum of 15 gals. of water per acre. Spray solution should uniformly cover undesirable foliage for best results. A suitable non-ionic surfactant should be added to the spray solution to enhance foliage wetting, spreading, and solution absorption. Drift control and foam reducing agents may be added at recommended rates, if needed. Spray pattern indicator agents may also be added at recommended rates, if desired. **DO NOT** spray under windy or gusty conditions. Maintain proper buffer zones to ensure drift does not reach off-target vegetation.

**Aerial Spray Equipment**

Thoroughly mix the labeled amount of **Oracle Advanced Herbicide** (2 qts./A maximum) in a minimum of 10 gals. of water per acre and uniformly apply with properly calibrated aerial equipment. A suitable nonionic surfactant should be added to the spray solution to enhance wetting, spreading, and solution absorption. All precautions should be taken to minimize or eliminate spray drift. Drift control and foam control agents may be added at labeled rates, if needed.

**Forest Site Prep Tank Mix Options**

For extended range of species control, tank mix **Oracle Advanced Herbicide** with other forest site preparation products such as Accord®, Arsenal®, Razor, Razor Pro, Spyder, Tahoe®, etc. Observe all precautions and restrictions on the product labels. Always follow the most restrictive label directions when tank mixing.

**Weeds and Brush Controlled**

**Oracle Advanced Herbicide**, when applied at Labeled rates, will give control of many annual, biennial, and perennial broadleaf weeds, and many woody brush and vine species commonly found in non-crop land areas. (Refer to **Weed Control Section**) Noted (\*) perennial weeds may be controlled with lower rates of either **Oracle Advanced Herbicide** or **Oracle Advanced Herbicide** plus tank mix combinations. See Rates and Timing below.

**Application rates and Timing of Oracle Advanced Herbicide are given below. Use the higher level of listed rate ranges when treating dense or tall vegetative growth.**

Weed stage and type	Amount of product per acre	Gals. of spray mixture per acre**	Spray concentration for use with low volume application**** (% vol/vol)
Annual Small, actively growing	½ - 1 pints (8 - 16 fluid ounces)	25-50	3
Established weed growth	1 - 1 ½ pints (16 - 24 fluid ounces)	50-75	3
Biennial* - Rosette diameter Less than 3"	½ - 1 pints (8 - 16 fluid ounces)	25-50	3-4
3" or more	1-2 pints. (16 - 32 fluid ounces)	50-100	3-4
Bolting	2-3 pts. (16 - 48 fluid ounces)	100-150	3-4
Perennial Suppression or top growth control	½ - 1 pints (8 - 16 fluid ounces)	50-100	4
Noted(*) Perennials	2 - 4 pints (32 - 64 fluid ounces)	100-200	4
Other perennials	4 pints (16 fluid ounces)	200	5
Woody brush and vines*** Top growth	½ - 4 pints (8 - 64 fluid ounces)	50-200	5
Stems and roots	4 pints (64 fluid ounces)	200	5

\*For best performance, make application when biennial weeds are in the rosette stage.

\*\*Assuming typical application rate of 2 pints (32 fluid ounces) of **Oracle Advanced Herbicide** /100 gals.

\*\*\*Tank mixes may be required for optimal control. Refer to weed list.

\*\*\*\*Low volume rates must not exceed 4 pints (64 fluid ounces) of **Oracle Advanced Herbicide** maximum per acre per year (5% volume/volume=10gals. Maximum solution per acre per year.

Retreatments may be made as needed; however, **DO NOT** exceed a total of 4 pints (64 fluid ounces) of **Oracle Advanced Herbicide** per treated acre during a growing season.

#### Tank Mix Options (Non-crop Applications)

**Oracle Advanced Herbicide** may be tank mixed with other herbicides for additional weed control. The following table lists example options, but does not limit tank mix options.

**READ AND FOLLOW THE LABEL OF EACH TANK MIX PRODUCT USED FOR PRECAUTIONARY STATEMENTS, DIRECTIONS FOR USE, APPLICATION RATES, AND OTHER RESTRICTIONS. Consult product labels for tank mix rates.**

**Tank Mixes (Non-crop Applications)**

Herbicide	Rates (lbs. a.i./Acre)
Accord®	Consult product labels for rates.
Arsenal®	
DSMA	
Endurance®	
Escort®	
Finale®	
Garlon®	
Hyvar®	
Karmex®	
Krenite®	
MSMA	
Oust®	
Pendulum®	
Plateau®	
Predict®	
Princep®	
Redeem®	
Reward®	
Roundup®	
Spike®	
Telar®	
Touchdown®	
Transline®	
Velpar®	
2,4 - D	

**GRASS GROWN FOR SEED**

**Rates and Timing:** Apply 8-16 fluid ounces of **Oracle Advanced Herbicide** per treated acre on seedling grass after the crop reaches the 3-5 leaf stage. Apply up to 32 fluid ounces of **Oracle Advanced Herbicide** on well-established perennial grass. For best performance, apply **Oracle Advanced Herbicide** when weeds are in the 2-4 leaf stage and rosettes are less than 2" across. Use the higher level of listed rate ranges when treating more mature weeds or dense vegetative growth.

To suppress annual grasses such as brome (downy and rip-gut), rattail fescue, and windgrass, apply up to 32 fluid ounces of **Oracle Advanced Herbicide** per treated acre in the fall or late summer after harvest and burning of established grass seed crops. Applications should be made immediately following the first irrigation when the soil is moist and before weeds have more than 2 leaves.

**Grass Seed Application Restrictions:**

- **DO NOT** apply **Oracle Advanced Herbicide** after the grass seed crop begins to joint.

**Grass Seed Application Precautions:**

- Established grass crops grown under stress can exhibit various injury symptoms that may be more pronounced if herbicides are applied. Bentgrass carpetgrass, buffalo-grass, and St. Augustinegrass may be injured if more than 16 fluid ounces of **Oracle Advanced Herbicide** is applied per acre. Usually colonial bentgrasses are more tolerant than creeping types. Velvetgrasses are most easily injured.
- Treatments will kill or injure alfalfa, clovers, lespedeza, wild winter peas, vetch, and other legumes.

Refer to the **Pasture, Hay, Rangeland, and General Farmstead Section** for grazing and feeding restrictions.

**Grass Seed Tank Mixes**

**Oracle Advanced Herbicide** may be applied in tank-mixes with one or more of the following herbicides:

- Buctril®
- Curtail®
- Express®
- Karmex®
- MCPA amine
- Sencor®
- Stinger®
- 2,4-D amine or ester

## TURF AND LAWNS

**(Including, Golf Course (Fairways, Aprons, Rough), Parks, Recreation areas, Lawn care application, Sod farms)**

**Rates and Timing:** Apply 3-32 fluid ounces of **Oracle Advanced Herbicide** per acre to control or suppress growth of many annual, biennial, and some perennial broadleaf weeds commonly found in turf.

Use the higher level of listed rate ranges when treating dense vegetative growth.

### *Oracle Advanced Herbicide Broadcast Application Rates for Turf and Lawns*

Weed stage and type	Pts. per treated acre	Lbs. a.i. per Treated Acre	Tsp. Per 1,000 sq. ft.
Annual			
Small, actively growing	½ - 1 pints (8 - 16 fluid ounces)	¼ - ½	1 - 2 ¼
Established weed growth	1 -1 ½ pints (16 - 24 fluid ounces)	½ - ¾	2 ¼ - 3 ¼
Biennial* - Rosette diameter			
Less than 3 inches	½ - 1 pints (8 - 16 fluid ounces)	¼ - ½	1 - 2 ¼
3 inches or more	1 - 2 pints (16 - 32 fluid ounces)	½ - 1	2 ¼ - 4 ½
Perennial, woody brush and vine	1 - 2 pints (16 - 32 fluid ounces)	½ - 1	2 ¼ - 4 ½

\* For best performance, make application when biennial weeds are in the rosette stage.

For best performance, apply when weeds are emerged and actively growing.

**Mixing and Application:** Apply 30-200 gals. of diluted spray per treated acre (3 qts.- 4 1/4 gals./1,000 sq. ft.), depending on density or height of weeds treated and on the type of equipment used.

**Oracle Advanced Herbicide** will also suppress many other listed perennial broadleaf weeds and woody brush and vine species. Refer to **Application Rates Section** for rates based on targeted weed or brush species and growth stage. Some weed species will require tank-mixes for adequate control. Repeat treatments may be made as needed.

Established grass stands growing under stress can exhibit various injury symptoms that may be more pronounced if herbicides are applied. To avoid injury to newly seeded grasses, application of **Oracle Advanced Herbicide** should be delayed until after the second mowing. Furthermore, application rates in excess of 1 pint (16 fluid ounces) per treated acre may cause noticeable stunting or discoloration of sensitive grass species such as bentgrass, carpetgrass, buffalograss, and St. Augustinegrass.

To avoid injury to newly seeded grasses, delay application of **Oracle Advanced Herbicide** until after the second mowing. Furthermore, applying more than 16 fluid ounces of **Oracle Advanced Herbicide** per treated acre may cause noticeable stunting or discoloration of sensitive grass species such as bentgrass, carpetgrass, buffalograss, and St. Augustinegrass.

#### **Turf Application Restrictions:**

- **DO NOT** exceed 32 fluid ounces (2 pints) of **Oracle Advanced Herbicide** per acre, per growing season.
- In areas where roots of sensitive plants extend, **DO NOT** apply more than 4 fluid ounces (0.25 pint) of **Oracle Advanced Herbicide** per treated acre on coarse-textured (sandy-type) soils, or in excess of 8 fluid ounces (1 pint) per treated acre on fine-textured soils.
- **DO NOT** make repeat applications in these areas for 30 days and until previous applications of **Oracle Advanced Herbicide** have been activated in the soil by rain or irrigation.

#### **Turf and Lawn Tank-Mixes**

**READ AND FOLLOW THE LABEL OF EACH TANK MIX PRODUCT USED FOR PRECAUTIONARY STATEMENTS, DIRECTIONS FOR USE, APPLICATION RATES AND TIMING, AND OTHER RESTRICTIONS. Consult product labels for rate rates for tank mix partners. OBSERVE ALL PRECAUTIONS AND RESTRICTIONS ON THE PRODUCT LABELS. ALWAYS FOLLOW THE MOST RESTRICTIVE LABEL IN A TANK MIX.**

Tank mix treatments of **Oracle Advanced Herbicide** may be made with 2,4-D, MCPA, MCPP Confront®, or bromoxynil for control of additional weeds listed on the tank mix product label.

**Turf and Lawn Tank Mix Rates and Timing:** Apply 1/5 - 1/2 pint (3.2 - 8 fluid ounces) of **Oracle Advanced Herbicide**

per treated acre with 1/2 - 1 1/2 lbs. acid equivalent of 2,4-D, MCPA, or MCPP or with 1-2 pts. of Confront, or with 3/8 - 1/2 lb. a.i. of bromoxynil. Use the higher level of the listed rate ranges when treating established weeds. Repeat treatments may be made as needed; however, **DO NOT** exceed 2 pints (32 fluid ounces) of **Oracle Advanced Herbicide** per treated acre during the growing season.

Apply 3.2-8 fluid ounces (1/5 - 1/2 pint) of **Oracle Advanced Herbicide** per acre in a tank-mix with one of the products in the **Turf and Lawn Tank Mixes Section** at the rates listed below. Use the higher rates when treating established weeds.

#### Turf and Lawn Tank Mixes

##### Tank Mix Rates for Turf and Lawn

Bromoxynil (Buctril®)	0.375 - 0.5 pounds (a.i.)
MCPA	0.5 - 1.5 pounds ( a.e.)
MCPP	0.5 - 1.5 pounds (a.e.)
2,4-D	0.5 - 1.5 pounds (a.e.)

### NOTICE OF WARRANTY AND DISCLAIMER

Seller warrants that at the time of delivery the product in this container conforms to its chemical description contained hereon and is reasonably fit for its intended purpose under normal conditions of use. This is the only warranty made on this product. To the extent consistent with applicable law, seller expressly disclaims any implied warranties of merchantability or fitness for any particular purpose and, except as set forth above, any other express or implied warranties. Any damages arising from breach of warranty or negligence shall be limited to direct damages not exceeding the purchase price paid for this product by Buyer, and shall not include incidental or consequential damages such as, but not limited to, loss of profits or values. It is impossible to eliminate all risks inherently 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 the Seller. To the extent consistent with applicable law, in no case shall Seller be liable for the consequential, special or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the Buyer. Buyer acknowledges the use of its own independent skill and expertise in the selection and use of the product and does not rely on any oral or written statements or representations.

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Gharda Chemicals International, Inc

760 Newtown-Yardley Rd.

Suite 110

Newtown, PA 18940

1-215-968-9474

**NOTES**



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5.7500 in

6.7500

**GROUP 4 HERBICIDE****Oracle<sup>®</sup> Advanced  
Herbicide**

For Crop and Non-Crop broadleaf weed control on asparagus, barley, Conservation Reserve Programs (CRP), corn, cotton, fallow croplands (between crop applications), fencerows, forest site preparations, general farmstead (non-cropland), grasses, grass grown for seed, hay, industrial areas, lawn, proso millet, oats, pasture, rangeland, rights-of-way, sorghum, soybeans, sugarcane, triticale, turf grasses (including sod farms and golf courses), and wheat.

## Active Ingredient:

Diglycolamine salt of 3, 6-dichloro-*o*-anisic acid\* . . . . . 58.8%  
Other Ingredients: . . . . . 41.2%  
TOTAL . . . . . 100.00%

Formulated as a Soluble Liquid (SL) formulation of the DGA Salt of Dicamba.

\* Contains 39.8% 3, 6-dichloro-*o*-anisic acid (4 pounds acid equivalent per gallon or 480 grams per liter)

**KEEP OUT OF REACH OF CHILDREN  
CAUTION/PRECAUCIÓN**

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.)

See inside booklet for complete *Precautionary Statements, Directions for Use and Conditions of Sale and Warranty.*

**PRECAUTIONARY STATEMENT  
HAZARDS TO HUMANS AND  
DOMESTIC ANIMALS  
CAUTION!**

Harmful if swallowed. harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wear long sleeved shirt, long pants, shoes, socks and chemical resistant gloves (such as or made out of any waterproof material).

**USER SAFETY RECOMMENDATIONS**

- Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Users should 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.

**FIRST AID**

<b>If swallowed:</b>	<ul style="list-style-type: none"> <li>• Call poison control center or doctor immediately for treatment advice.</li> <li>• <b>Have a person sip a glass of water if able to swallow.</b></li> <li>• <b>DO NOT</b> induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• <b>DO NOT</b> give anything by mouth to an unconscious person.</li> </ul>
<b>If on Skin or clothing:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If in eyes:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency medical treatment information call: 1-(866)-359-5660

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

**All mixers, loaders, applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

See **Engineering Controls Statement** for additional requirements. 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.

**ENGINEERING CONTROLS STATEMENTS**

When handlers use enclosed 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. Pilots must use cockpits in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240(d)(4-6)).

**IMPORTANT:** When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "all mixers, loaders, applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.

**Environmental Hazards**

Keep out of lakes, streams, or ponds. For terrestrial uses, **DO NOT** apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. **DO NOT** contaminate water when disposing of equipment wash waters. Apply this product only as directed on the label.

EPA Reg. No.: 93182-24

EPA Est. No.: 5905-IA-01

Net Contents: 2.5 Gallons



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