


9468-46

7/5/2012

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 <p style="text-align: center;">U S ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division (7505P) Ariel Rios Building 1200 Pennsylvania Ave NW Washington D C 20460</p> <p style="text-align: center;">NOTICE OF PESTICIDE <input checked="" type="checkbox"/> Registration <input type="checkbox"/> Reregistration (under FIFRA as amended)</p>	EPA Reg Number 9468-46	Date of Issuance JUL - 5 2012
	Term of Issuance unconditional	
	Name of Pesticide Product DICTATOR	
Name and Address of Registrant (include ZIP Code) Ritter Chemical, LLC c/o Pyxis Regulatory Consulting, Inc 4110 136th St NW Gig Harbor, WA 98332		
<p>Note Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.</p> <p>On the basis of information furnished by the registrant the above named pesticide is hereby registered/reregistered under the Federal Insecticide Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment the Administrator on his motion may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.</p> <p>The basic formulation (dated 02/28/2012) is acceptable and will be added to your file.</p> <p>This product is registered in accordance with FIFRA section 3(c)(5) provided that you</p> <ol style="list-style-type: none"> 1 Submit and/or cite all data required for registration review/reregistration of your product when the Agency requires all registrants of similar products to submit data 2 Make the following label revision(s) <ol style="list-style-type: none"> a Revise EPA Reg No 9468 __ to EPA Reg No 9468 46 b Assure that the EPA establishment number and net contents are also added to the final printed label 3 Within one year of the date on this registration notice the Storage Stability (830 6317) and Corrosion Characteristics (830 6320) studies must be submitted. They must be conducted in the commercial containers of this product and observations should be made at 0 3 6 9 and 12 month intervals 4 Per 40 CFR 156 10(6) submit one copy of your final printed labeling before you release the product for shipment <p>If these conditions are not complied with the registration will be subject to cancellation in accordance with FIFRA sec 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. If you have any questions regarding this notice please contact Beth Benbow of my staff at benbow bethany@epa.gov</p>		
Signature of Approving Official Kathryn V Montague Project Manager 23 Herbicide Branch Registration Division (7505P)	Date JUL - 5 2012	

DICTATOR

FOR WEED CONTROL IN CORN SORGHUM SMALL GRAINS (WHEAT BARLEY AND OATS NOT UNDERSEEDED TO LEGUMES) PASTURE HAY RANGELAND FARMSTEAD (NON CROPLAND) FALLOW SUGARCANE ASPRAGUS TURF AND GRASS SEED CROPS

ACTIVE INGREDIENT

Dimethylamine Salt of Dicamba (3,6-dichloro-o-anisic acid) 48.2%

OTHER INGREDIENTS

TOTAL 51.8%

TOTAL 100.0%

This product contains 40.0% 3,6-dichloro-o-anisic acid (Dicamba) or 4 pounds per gallon (480 g/L)

KEEP OUT OF REACH OF CHILDREN

CAUTION / PRECAUCION

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)

FIRST AID	
If in eyes	<ul style="list-style-type: none"> Hold eye open and rinse slowly and gently with water for 15 – 20 minutes Remove contact lenses if present after the first 5 minutes then continue rinsing eye Call a poison control center or doctor for treatment advice
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor or going for treatment. For emergency information concerning this product call the National Pesticides Information center (NPIC) at 1 800 858 7378 seven days a week 6 30 am to 4 30 pm Pacific time or your poison control center at 1 800 222 1222	
NOTE TO PHYSICIAN	
Probable mucosal damage may contraindicate the use of gastric lavage	

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION / PRECAUCION**

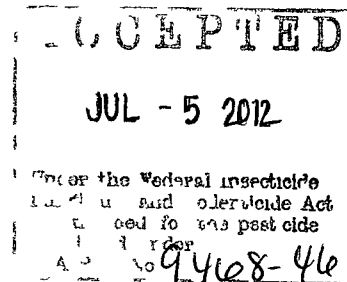
Causes moderate eye irritation. Avoid contact with eyes or clothing

EPA Reg No 9468 _____

EPA Est No _____

Manufactured for
Ritter Chemical LLC
P O Box 430974
Houston TX 77243

Net Contents _____



PERSONAL PROTECTIVE EQUIPMENT (PPE)

All Mixers loaders applicators and other handlers must wear

Long sleeved shirt and long pants

- Shoes plus socks and
- Chemical resistant gloves (except for applicators using ground boom equipment pilots and flaggers)

See Engineering Controls for additional requirements and exceptions

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning / maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

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

USER SAFETY RECOMMENDATIONS

Users Should

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing / PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product.
- Wash the outside of gloves before removing.
- As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate. Apply this product only as directed on the label.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. **READ ENTIRE LABEL BEFORE USING THIS PRODUCT. USE STRICTLY IN ACCORDANCE WITH LABEL PRECAUTIONARY STATEMENTS AND DIRECTIONS.**

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours.

The following PPE is required for early entry into 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

- Coveralls over short sleeved shirt and short pants
- Chemical resistant gloves made of any waterproof material
- Chemical resistant footwear plus socks
- Chemical resistant headgear if 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 others to enter until sprays have dried

All directions and precautions on the product labeling (container and package) should be read before applying Dictator (dicamba) Failure to do so could result in illegal residues crop injury or unsatisfactory weed control

PRODUCT INFORMATION

Mixing and Application

Dictator is a water soluble herbicide that can be diluted and applied in water or a sprayable fluid fertilizer carrier The user should carry out a compatibility test prior to tank mixing when using a fluid fertilizer carrier

The following mixing and application directions apply to all uses of this product (crop and non crop) unless otherwise specified in the individual use headings found on the label Individual use sections provide additional restrictions and precautions specific to the crop or use as well as application rates and timing specific to the individual uses

Applicator can use ground or aerial application equipment with Dictator as long as application equipment gives good spray coverage of weed foliage HOWEVER AERIAL APPLICATION EQUIPMENT SHOULD NOT BE USED IF TEMPERATURE INVERSIONS EXIST OR WIND CAN CARRY SPRAY PARTICLES INTO AREAS WHERE SENSITIVE PLANTS OR CROPS ARE GROWING

Application equipment should be calibrated for coarse spray and nozzles that are designed to produce minimal amounts of fine spray particles should be selected For good weed coverage application should be made with nozzles as close as practically possible to the weeds Application should not be made when wind speed is greater than 15 mph or during periods of gusty wind to avoid uneven spray coverage Treated areas should remain undisturbed (i.e. avoid cultivation or moving) for at least 7 days following application

- Ground Application Apply 3 to 50 gallons of diluted spray per treated acre
- Aerial Application Apply 1 to 10 gallons of diluted spray per treated acre
- Aerial Application, Preharvest Uses Apply 2 to 20 gallons of diluted spray per treated acre

If vegetation is dense or tall higher specified amount of spray volume should be used

Important

- Do not apply more than the maximum rate of 1 lb Dictator a.i. per acre per application
- Do not make more than 2 applications of Dictator per year
- Dictator cannot be applied through any type of irrigation system

- Dictator cannot be used to treat irrigation ditches or water used for domestic uses or crop irrigation

Best Stewardship Practices

When properly applied Dictator provides effective control of broadleaf weeds and brush Utilizing best stewardship practices in all aspects of Dictator use (including application operations mixing and loading) will minimize off target movement and protect surface and ground waters as well as maximize weed control

As a result of agricultural use Dictator (dicamba) under certain conditions is known to leach through soil into groundwater Groundwater contamination may result if Dictator is used in areas where soils are permeable particularly where the water table is shallow

Ground and Surface Waters Protection

1) Point Source Contamination

- Do not mix or load Dictator within 50 feet of wells (including drainage wells and abandoned wells) perennial or intermittent streams and rivers sink holes and natural or impounded lakes and reservoirs to prevent point source pollution
- Do not make application of Dictator within 50 feet of wells Exceptions to this setback
 - Impervious pad or properly diked mixing/loading areas (see description below)
 - Properly plugged or capped abandoned wells
- Operations performed with Dictator within 50 feet of a well (mixing loading rinsing washing) are only allowed if conducted on an impervious pad Impervious pad must
 - Be constructed to withstand heaviest load on or moving across pad
 - Be self contained so that surface water flow over or from the pad is prevented
 - Have a volume capacity of 110% of largest pesticide or application container used on the pad
 - Have a capacity to contain all product spills as well as vehicles or equipment delivering pesticides to mixing/loading site

Additional requirements regarding wellhead setbacks and operational containment may be in effect in your state

Antisiphoning devices or check valves must be used on all mixing equipment and care must be taken when using Dictator to prevent spills back siphoning into wells or improper disposal of excess pesticide spray mixtures or rinsates

2) Movement by water erosion of treated soil

- Dictator is not to be applied or incorporated through any type of irrigation equipment (including flood or furrow irrigation)
- Before using tailwater for subsequent irrigation of other fields ensure that treated areas have received at least one half inch rainfall (or irrigation)

3) Movement by surface runoff or through soil

- Dictator is not to be applied under conditions that favor runoff
- In areas with high potential for groundwater contamination Dictator is not to be applied to paved or highly compacted surfaces or other impervious substrates
- Where groundwater depth is shallow Dictator is not to be applied to sandy soils with less than 3% organic matter (in areas where groundwater is near the surface and soils are permeable or coarse groundwater contamination may occur)
- Application rate recommendations as affected by soil type (in individual use headings sections) should be carefully followed to minimize the possibility of groundwater contamination

Sensitive Crop Precaution

When Dictator contacts roots and stems of sensitive or desirable foliage desirable trees and plants (particularly beans cotton flowers fruit trees grapes ornamentals peas potatoes soybeans sunflowers tobacco tomatoes and other broadleaf plants) can sustain injury Plants are particularly susceptible to injury during their growth stage Follow the precautions below to minimize damage to desirable or sensitive plants

- Coarse sprays should be used to avoid potential herbicide drift Nozzles (such as Delevan Raindrops Spraying Systems XR flat fans D10 TK10 or larger capacity flood nozzles) designed to produce minimal amounts of fine spray particles should be selected Consult with spray nozzle supplier regarding possible choices of drift reducing nozzles Unless otherwise specified/required by manufacturer of spray nozzles spray volume should be at or above 20 gpa and spray pressure should be at or below 20 psi
Application of Dictator should be avoided if temperature inversions exist or if air currents can carry spray particles to areas where sensitive plants or crops are growing If wind speed is greater than 5 mph and is moving in the direction of adjacent sensitive crops or if wind is gusty do not spray near sensitive plants An adequate buffer zone should be maintained between sensitive plants and areas to be treated
- If surface washing or possible downward movement in to the soil may cause Dictator to contact roots of desirable plants (such as trees and shrubs) do not treat in these areas
- Drift reducing additives (agriculturally approved) may be used to mitigate drift
- If temperature on the day of application is expected to exceed 85 F do not apply Dictator adjacent to sensitive crops as drift is more likely to occur
- Equipment used to apply Dictator should be thoroughly cleaned (see PROCEDURE FOR CLEANING SPRAY EQUIPMENT) before reusing to apply other chemicals to avoid injury to desirable plants

If normal harvest of treated crops has occurred there are no crop rotation restrictions

All agricultural (crop) uses of Dictator are designed for a regular growing interval between planting and harvest Do not follow up with planting a sensitive crop if interval is shortened (for example cover crops that will be plowed under) Crops under stress (such as drought seedling disease high soil pH or salt content foliar damage due to insects wind or hail) can display injury symptoms that can be more noticeable upon application of herbicides

Local and state authorities should be consulted for advice concerning application of Dictator any special local use situations and any possible application restrictions Tank mixes (including those recommended in individual use sections of this label) can only be used in states where tank mix partners and application sites are registered

Band Treatments

When Dictator is applied as a band treatment the following formulas should be used to calculate the correct rate and volume per acre

$$\text{Band RATE} = \text{Broadcast RATE} \times \left(\frac{\text{Band width} - \text{Row width}}{\text{inches} \quad \text{inches}} \right)$$

Per treated area per treated acre

$$\text{Band VOLUME} = \text{Broadcast VOLUME} \times \left(\frac{\text{Band width} - \text{Row width}}{\text{inches} \quad \text{inches}} \right)$$

Per treated area per treated acre

Compatibility Test

The compatibility of mixtures should be tested before mixing in a spray tank by combining all components in proportionate quantities in a small container

When diluting herbicide in a spray carrier or mixing multiple herbicides in a tank mix assuming a spray volume of 25 gallons per acre mix 1 ½ level teaspoons of a dry herbicide formulation (assuming a 1 lb per acre rate) or ½ level teaspoon of a liquid herbicide formulation (assuming a 1 pint per acre rate) in one pint of spray mix [NOTE adjust rate of herbicide formulation accordingly if specified rate per acre is lower or higher than indicated]

Spray mix is compatible if herbicides do not ball up form precipitates (such as flakes or sludge) gel or form oily films or layers Incompatibility will typically occur within 5 minutes of blending

If spray mix is incompatible a compatibility agent is recommended Assuming a mixing rate for the compatibility agent of 2 pints per 100 gallons of fluid fertilizer or spray mix add ¼ teaspoon of compatibility agent to the herbicide and spray solution [NOTE adjust level of compatibility agent accordingly if specified amount is higher or lower than 2 pints per 100 gallons spray mix]

Cleaning Spray Equipment

These steps are recommended for thoroughly cleaning spray equipment after applications of herbicides

- 1) Fill spray tank half full with water while thoroughly hosing down the inside and outside surfaces of equipment Operate sprayer until all rinse water has been purged from the system
- 2) To the spray tank add household ammonia (at the rate 1 quart of ammonia for every 25 gallons of water) and fill tank with water Circulate ammonia solution through the sprayer system for 15-20 minutes by operating the sprayer system's pump To clean the nozzles and boom a small amount of the ammonia solution should be discharged Once ammonia has circulated through the spray system solution should be allowed to stand for several hours preferably overnight
- 3) Ammonia solution should be flushed from the spray tank through the boom
- 4) Nozzles and screens should be removed and system should be flushed with two full tanks of water

If this product has been tank mixed with water dispersible formulations (such as emulsifiable concentrates (EC) wettable powders (WP) etc) use the steps below for cleaning the spray equipment (as tank mixes with water dispersible formulations require the use of a water/detergent rinse)

- 5) Complete Step 1 above
- 6) To the spray tank add detergent (at the rate of 2 lbs detergent for every 40 gallons of water) and fill tank with water Circulate detergent solution through the sprayer system for 5 to 10 minutes by operating the sprayer system's pump To clean nozzles and boom a small amount of the detergent solution should be discharged Once detergent has circulated through the spray system solution should be allowed to stand for several hours preferably overnight
- 7) Detergent solution should be flushed from the spray tank through the boom
- 8) Repeat step 1 above and follow with a complete ammonia rinse (steps 2, 3 and 4 above)

WEED LIST

The weeds listed below may be treated with Dictator Follow label directions rates timings and recommendations under specific crop sections of this label Growth suppression or control of broadleaf (annual biennial and perennial) weeds and brush (woody) and vine species

BROADLEAF WEED LIST

Alfalfa ³
Amaranth spiny (Spiny Pigweed) ¹
Artichoke Jerusalem ³
Aster slender ¹
Aster spiny and whiteheath ³
Bedstraw ¹
Bedstraw smooth ³
Beggarweed Florida ¹
Bindweed field hedge and Texas ³
Broomweed common ¹
Buckwheat wild ¹
Buffalobur ¹
Burcucumber ¹
Burdock common ²
Bursage (Bur ragweed lakeweed Povertyweed) and woolyleaf (Lakeweed) ³
Buttercup roughseed ¹
Buttercup tall ³
Campion bladder ³
Carpetweed ¹
Carrot wild (Queen Anne s lace) ²
Catchfly nightflowering ¹
Chamomile corn ¹
Chickweed common ¹
Chickweed (Mouseear Canada) and field ³
Chicory ³
Clovers (annual) ¹
Clover hop ³
Cockle corn and cow ¹
Cockle white ²
Cocklebur common ¹
Croton tropic and wooly ¹
Croton wooly ¹
Daisy English ¹
Dandelion common ³

Dock broadleaf (Bitterdock) and curly ³
Dogbane hemp ³
Dogfennel (Cypressweed) ³
Evening primrose common ²
Evening primrose cutleaf ¹
Fern bracken ³
Fleabane annual ¹
Garlic wild ³
Geranium Carolina ²
Goldenrod Canada and Missouri ³
Goldenweed common ³
Goosefoot nettleleaf ¹
Gromwell ²
Hawkweed ³
Henbane black ³
Henbit ¹
Horsenettle Carolina ³
Ironweed ³
Jimsonweed ¹
Knapweed black and Russian ³
Knapweed diffuse and spotted ²
Knotweed ¹
Kochia ¹
Ladysthumb ¹
Lambsquarters common and triazine resistant ¹
Lettuce prickly ¹
Mallow common and venice ¹
Mallow dwarf ²
Mare s tail (Horseweed) ¹
Mayweed ¹
Milkweed climbing common honeyvine and western whorled ³
Morningglory ivyleaf and tall ¹
Mustard tansy and wild ¹
Mustard (Yellowtops) ¹

Nettle stinging ³
Nightshade black ¹
Nightshade silverleaf (White horsenettle) ³
Onion wild ³
Pennycress field (Fanweed Frenchweed Stinkweed) ¹
Pepperweed Virginia (Peppergrass) ¹
Pigweed prostrate redroot (Carelessweed) rough smooth tumble and triazine resistant ¹
Poorjoe ¹
Plantain bracted ²
Plantain broadleaf ³
Plantain buckthorn ³
Pokeweed ³
Puncturevine ¹
Purslane common ¹
Pusley Florida ¹
Radish wild ¹
Ragweed common giant (Buffaloweed) and lance leaf ¹
Ragweed western ³
Ragwort tansy ²
Redvine ³
Serica lespedeza ³
Sesbania hemp ¹
Shepherdspurse ¹
Sticklepod ¹
Sida prickly (Teaweed) ¹
Smartweed green and Pennsylvania ¹
Smartweed swamp ³
Snakeweed broom ³
Sneezeweed bitter ¹
Sorrel red (Sheepsorrel) ³
Sowthistle ³
Sowthistle annual and spiny ¹
Sowthistle perennial ³

Spikeweed common ¹
Spurge leafy ³
Spurge prostrate ¹
Spurry corn ¹
Starbur bristly ¹
Stumpweed rough ¹
Sundrop halfshrub (Evening primrose) ³
Sunflower common (wild) and volunteer ¹
Sweetclover ²

Teasel ²
Thistle bull milk musk and plumeless ²
Thistle Canada ³
Thistle Russian ¹
Toadflex Dalmation ³
Tropical soda apple ³
Trumpet creeper (Buckvine) ³
Velvetleaf ¹
Vetch ³
Waterhemlock ³

Waterhemp ¹
Waterprimrose creeping ³
Waterprimrose winged ¹
Woodsorrel creeping and creeping common yellow ³
Wormwood annual ¹
Wormwood common and Louisiana ³
Yankee weed ³
Yarrow common ³

¹Annual

²Biennial

³Perennial

May be controlled at rates lower than those listed for other perennial weeds in specific crop sections of this label

Dictator gives control of the following woody brush and vine species

Alder Ash Aspen Basswood Beech Birch Black Locust Cherry Chinquapin Cottonwood
Cucumbertree Eastern persimmon Elm Fringe sagebrush Grape Hemlock Hickory
Honeylocust Honeysuckle Hornbeam Huckleberry Huisache Kudzu Maple Mesquite Oak
Pine Poison ivy Poison Oak Poplar Rabbitbrush Russian olive Sassafras Serviceberry
Spicebush Spruce Sumac Sycamore Tarbush Willow Witchhazel

Dictator will give growth suppression of the following woody brush and vine species

Blackberry Blackgum Cedar Creosotebush Dewberry Dogwood Eastern Redcedar Hawthorn
(Thornapple) McCartney rose Multiflora rose Sand plum (wild plum) Sweetgum Yaupon
Yucca

INDIVIDUAL USE DIRECTIONS

ASPARAGUS FOR USE ONLY IN THE STATES OF CALIFORNIA, OREGON AND WASHINGTON

Dictator is effective against emerged and actively growing weeds. Application rate is ½ to 1 pint Dictator (1/4 to ½ lb a.i.) per treated acre diluted in 40 to 60 gallons of water. Application should be made immediately after cutting the field and at least 24 hours before the next cutting.

Dictator will control black mustard, redroot pigweed (Carelessweed), sowthistle (annual) and thistle (Canadian and Russian). Additionally, at the higher 1 pint per acre rate, Dictator will control common chickweed, field bindweed, milk thistle, nettleleaf, goosefoot and wild radish. Tank mixing Dictator with 2,4-D or glyphosate will improve control of Canadian thistle and field bindweed.

Important

- Pre harvest interval for asparagus is 24 hours
- For multiple/repeat applications, do not apply more than 1 pint of Dictator per treated acre per crop year
- Do not use in the Coachella Valley of California
Crooking (twisting) of some spears may occur if spray contact emerged spears. Spears affected with crooking should be discarded.

- Follow directions for use precautionary statements and other restrictions on labels of tank mix partners
- Follow mixing and application instructions and precautions on this label

FIELD, SEED* POPCORN* AND SILAGE CORN

In corn Dictator controls many annual broadleaf weeds and suppresses growth of many perennial broadleaf weeds (see Weed list)

Dictator is not registered for use on sweet corn

To avoid potential injury of sensitive varieties do not apply Dictator to popcorn or seed corn unless you have verified with your supplier or local seed corn company the selectivity of Dictator on your variety or inbred line of popcorn

Application of Dictator when weeds have emerged and are actively growing gives best performance

See following sections for specific rate information regarding Dictator alone and with tank mix partners

PREPLANT/PREEMERGENCE IN NO TILLAGE CORN

Dictator can be applied to emerged and actively growing broadleaf weeds before during or after planting Apply 1 pint Dictator per treated acre to medium or fine textured soils containing 2% or greater organic matter On coarse textured soils (sand sandy loam loamy sand) or on medium and fine textured soils with less than 2% organic matter use ½ pint Dictator per treated acre

Dictator should be applied after 4 to 6 inches of regrowth has occurred when planting into a legume sod (e.g. clover or alfalfa)

PREEMERGENCE IN CONVENTIONAL OR REDUCED TILLAGE CORN

Apply Dictator after planting but before corn emerges

Apply 1 pint Dictator per treated acre to medium or fine textured soils containing 2% or greater organic matter DO NOT apply on coarse textured soils (sand sandy loam loamy sand) until after crop emergence (Early Postemergence)

When Dictator is applied preemergence it does not require mechanical incorporation to become active however if application is not followed by adequate rainfall or sprinkler irrigation a shallow mechanical incorporation is recommended Use of tillage equipment which concentrates treated soil over the seed furrow (e.g. drags harrows) should be avoided

EARLY POSTEMERGENCE (All Tillage Systems) (Spike Through 8 inch Tall Corn)

Apply Dictator at 1 pint per acre between emergence of corn up to 5 leaf stage or 8 inches in height whichever comes first

Application rate of Dictator early postemergent on coarse textured soils (sand sandy loam loamy sand) should be reduced to ½ pint per treated acre

If 6th true leaf is emerging from whorl or corn is greater than 8 inches tall follow directions for Late Postemergence application

LATE POSTEMERGENCE (All Tillage Systems) (8 to 36 inch Tall Corn)

Apply Dictator at ½ pint per treated acre 15 days before tassel emergence or to corn that is between 8 and 36 inches tall whichever comes first

Make applications to weeds less than 3 inches tall for best performance

Use a directed spray application when sensitive crops are growing nearby if corn leaves prevent proper

spray coverage or if Dictator is tank mixed with a 2,4-D product
Dictator should not be applied if soybeans are growing nearby when corn is taller than 24 inches if soybeans are taller than 10 inches and/or soybeans have begun to bloom

Overlay (Sequential) Treatments

Dictator can be applied to ground that has undergone prior treatment with a herbicide containing one or more of the following pesticide active ingredients registered for use on corn: Acetochlor, alachlor, atrazine butylate, clopyralid, dimethenamid, diglycolamine salt of dicamba (Clarity), eptam (EPTC) or s ethyl dipropylthiocarbamate, flumetsulam, glyphosate, halosulfuron, metolachlor, paraquat, pendimethalin, potassium salt of dicamba, propachlor, simazine, s metolachlor

Apply Dictator at 1/2 pint per treated acre to ground that has undergone prior treatment with full rates of products containing diglycolamine or potassium salts of dicamba. Two weeks should elapse between applications

Read and follow label directions for products containing any of the above listed active ingredients

Tank Mix Treatments for Corn

This product may be tank mixed with one or more of the following herbicides for control of grasses or additional broadleaf weeds. Read and follow the label of each tank mix product used for precautionary statements, directions for use, rates and timings, and other restrictions

Nicosulfuron

Early Postemergent or Late Postemergent (All Tillage Systems) 1/2 1 oz a i /A

With corn taller than 8 inches, drop pipes should be used to direct spray beneath corn leaves to reduce risk of injury to corn and to improve spray coverage of weeds

- Application to emerged weeds can be made to corn up to 2 feet tall
- 0.25% (v/v) of a nonionic surfactant can be used with this tank mixture

Atrazine

Preplant Preemergent (No Tillage Corn) Preemergent (Conventional or Reduced Tillage Corn) Early or Late Postemergent (All Tillage Systems) 1 1/4 2 lbs a i /A

- With corn up to 5 inches in height, crop oil concentrate can be used
- Do not apply if corn is taller than 1 foot in height
Make application before grasses are 1 1/2 inches tall
Follow Federal and state restrictions for atrazine

Primisulfuron

Early and Late Postemergent (All Tillage Systems) 0.31 – 0.62 oz a i /A

- With corn taller than 8 inches, drop pipes should be used to direct spray beneath corn leaves to reduce risk of injury to corn and to improve spray coverage of weeds
Application to emerged weeds should be made to corn that is between 4 inches and 2 feet tall
0.25% (v/v) of a nonionic surfactant can be used with this tank mixture

Metolachlor

Preplant Preemergent (No Tillage Corn) Preemergent (Conventional or Reduced Tillage Corn) early Postemergent (All Tillage Systems) 1.5 to 2.65 lbs a i /A

- Pay careful attention to metolachlor labels and use rates per various soil types
- Tank mix should be used preemergent only on medium or fine textured soils with an organic matter content equal to or greater than 2.5%
- Application can be made while corn is up to 3 inches in height and on grasses that have not yet reached the 2 leaf stage
- Dictator can also be tank mixed with S metolachlor products. Carefully read S metolachlor product labels for proper directions for use

Dimethenamid

Preplant Preemergent (No tillage corn) Preemergent (Conventional or reduced tillage corn) Early Postemergent (All Tillage Systems) 0.75 to 1.5 lbs a.i./A

- Pay careful attention to dimethenamid labels and use rates per various soil types
- Tank mix should be used preemergent only on medium or fine textured soils with an organic matter content equal to or greater than 2.5%
- Apply to corn up to 8 inches in height. If grass weeds are taller than 1 inch at the time of application a herbicide that provides postemergent grass weeds should also be used

Paraquat

Preplant preemergent (No tillage corn) Preemergent (Conventional or Reduced Tillage corn) ¼ - 1 lb a.i./A

- Apply prior to corn emergence
- Application can be made to emerged weeds

Acetochlor

Preplant preemergent (No tillage) Preemergent (Conventional or Reduced tillage) Early Postemergent (all tillage systems) 1 ½ - 3 lbs a.i./A

- Pay careful attention to acetochlor labels and use rates per various soil types
- Tank mix should be used preemergent only on medium or fine textured soils with an organic matter content equal to or greater than 2.5%
- Apply prior to corn emergence

Alachlor

Preplant preemergent (No tillage) Preemergent (Conventional or Reduced tillage) Early Postemergent (all tillage systems) 1 ½ - 4 lbs a.i./A

- Pay careful attention to alachlor labels and use rates per various soil types
- Tank mix should be used preemergent only on medium or fine textured soils with an organic matter content equal to or greater than 2.5%
- Application can be made while corn is up to 3 inches in height and on grasses that have not yet reached the 2 leaf stage
- Make application prior to grass emergence if tank mixing with a microencapsulated formulation of alachlor

Simazine

Preplant Preemergent (No Tillage) Preemergent (Conventional or Reduced Tillage) 2.3 lbs a.i./A

- Make application prior to weed or corn emergence

Pendimethalin

Preemergent (Conventional or Reduced Tillage) Early Postemergent (All Tillage Systems) ¾ to 1 ½ lbs a.i./A

- Pay careful attention to pendimethalin labels and use rates per various soil types
- Tank mix should be used preemergent only on medium or fine textured soils with an organic matter content equal to or greater than 2.5%
- Apply immediately after planting prior to weed emergence
- Apply to corn that is at the 2 leaf growth stage or smaller

Glyphosate

Preplant Preemergent (No Tillage) Preemergent (Conventional or Reduced Tillage) 1 - 3 lbs a.i./A

- Application should be made prior to corn emergence
- Application can be made to emerged weeds

Clopyralid

Early or Late Postemergent (All Tillage Systems) 0.035 – 0.07 lbs a.i. / A

- With corn taller than 8 inches drop nozzles should be used to direct spray
- Application can be made to corn after emergence up to 2 feet tall
- 0.25% (v/v) of a nonionic surfactant can be used with this tank mixture
- For use against thistle apply prior to bud stage but when a majority of the weeds have emerged and are 4 inches or taller
- Lower use rates may only provide seasonal thistle suppression while higher rates can be used for heavier infestations or stand reduction of larger thistle plants

Pyridate

Early Postemergent (All Tillage Systems) 0.47 lbs a.i. / A

Late Postemergent (All Tillage Systems) 0.47 – 0.94 lbs a.i. / A

- When corn has reached a size that prevents proper spray coverage directed applications are recommended
- Applications can be made to emerged actively growing weeds

2,4 D

Preplant Preemergent (No Tillage) Preemergent (Conventional or Reduced Tillage) ¼ to ½ lb a.i. / A

Late Postemergent (All Tillage Systems) 1/8 lb a.i. / A

- Use on Early Postemergent corn is not recommended
- With corn taller than 8 inches drop pipes should be used
- Keeping spray away from corn leaves and whorl will improve coverage of weed foliage
- Likelihood of crop injury is reduced if tank mix spray is kept off corn leaves and out of whorl

Important

- Do not exceed 1 ½ pints Dictator per treated crop acre per year
- Do not make more than 2 applications of Dictator in a 12 month period Two weeks or more should elapse between applications of Dictator
Adverse conditions (such as lack of soil moisture or low temperature) that can cause delayed or deep germination of weeds can reduce preemergence control of cocklebur velvetleaf and jimsonweed
- To help avoid potential injury to sensitive varieties Dictator should not be applied to seed or popcorn without verifying product selectivity on your variety of popcorn or inbred line with your supplier
- Avoid direct contact of Dictator with corn seed If corn seeds are not at least 1 ½ inches below soil surface application should be delayed until corn has emerged
- Temporary leaning could result from applications of Dictator to corn during periods of rapid growth Leaning will typically subside within 3 to 7 days To avoid breakage delay cultivation until corn is growing normally
To improve postemergence weed control (particularly in dry growing conditions) add sprayable fertilizers or agriculturally approved surfactants to the spray mixture
spray grade ammonium sulfate (2.5 lbs per acre – not for use in CA)
Urea ammonium nitrate (1/2 to 1 gallon per acre of 28% 30% or 32% solution)
- Crop injury may result from use of adjuvants containing penetrants such as petroleum based oils if used after crop emergence
- Once corn has reached the ensilage (milk) stage or later it may be harvested or grazed for feed

COTTON EXCEPT CALIFORNIA

Dictator can be applied preplant to control emerged broadleaf weeds prior to planting cotton in conventional or conservation tillage systems

Application Rate Up to 8 fl oz Dictator per acre

Application Timing Application when rosettes are less than 2 inches across and when weeds are in the 2 to 4 leaf stage will give best performance

A waiting interval of 21 days is required following application of this product at 8 fl oz per acre or less and a minimum accumulation of 1 inch overhead irrigation or rainfall. Observe these intervals prior to planting cotton

Dictator cannot be applied to preplant cotton

- West of the Rockies
- In geographic areas with average annual rainfall less than 25 inches

If fall preplant (postharvest) treatment is followed by a spring preplant treatment the combination of treatments cannot exceed 2 lbs acid equivalent per acre

Tank Mixes

Dictator may be tank mixed with herbicide products containing glyphosate, paraquat or prometryn for control of grasses or additional broadleaf weeds

SMALL GRAINS (WHEAT, BARLEY AND OATS NOT UNDERSEEDED TO LEGUMES)

Dictator can be applied before, during or after planting of small grains. Best performance is obtained when product is applied to weeds in the 2 to 3 leaf stage and rosettes are less than 2 inches across. Temporary crop leaning can occur if Dictator is applied to small grains during periods of rapid growth, but crop yields will not be reduced.

Rates and Timing

Use Rate

2 to 4 fluid ounces per treated acre in wheat, fall seeded barley and oats

2 to 3 fluid ounces per treated acre in spring seeded wheat

- Higher rates should be used for difficult to control weeds (such as cow cockle, kochia, prickly lettuce, prostrate knotweed, Russian thistle, wild buckwheat)
- Higher rates should be used for dense vegetative growth
- For applications prior to the emergence of weeds, use a minimum of 3 fluid ounces per acre of Dictator with a tank mix partner
- The best spectrum of weed control is obtained when Dictator is used in a tank mix with other herbicides. Better management of herbicide tolerant or resistant weeds is obtained. Refer to specific small grains for application timing and product rate
- When sulfonylurea resistant weeds are present or suspected, use a minimum of 3 fluid ounces per treated acre of this product with a tank mix partner (non sulfonylurea herbicides such as 2,4-D or MCPA offer more consistent control of sulfonylurea resistant weeds)
- When tank mixing with sulfonylurea herbicides (chlorosulfuron, metsulfuron methyl, thifensulfuron, triasulfuron, tribenuron methyl) use 1 to 4 pints of a surfactant (at least 80% a.i.) that is approved for agricultural use per 100 gallons of spray (not more than 0.25 to 0.5% by volume). Higher rates of surfactant should be used when lower rates of herbicides are used or when treating difficult to control or mature weeds or dense vegetative growth
- Pre harvest interval (PHI) Wait a minimum of 7 days after the last application of this product before harvesting wheat, barley and oat grain

When using this product follow Directions for Use and Precautions and all Mixing Cleaning and Application instructions for Dictator and for any tank mix partner

If small grains are to be used for hay or pasture observe the following restrictions

- Do not remove animals from treated area for slaughter less than 30 days after last application
- Do not allow lactating dairy animals to graze treated areas for 7 days after treatment
- No waiting period is necessary between treatment and grazing for non lactating dairy animals
- Preharvest interval is 37 days

WEEDS CONTROLLED

Dictator alone or in combination with listed tank mix partners will control or suppress ANNUAL broadleaf weeds indicated below Tank mixing Dictator with other herbicides will provide improved control of listed weeds Refer to specific small grains for tank mix options

These weeds will be controlled with Dictator

Buckwheat Tartary	Kochia	Pigweed Redroot (Carelessweed)
Buckwheat Wild	Ladysthumb	Pigweed Rough
Chamomile Corn	Lambsquarters Common	Pigweed Tumble
Cockle Corn	Lettuce Prickly	Smartweed Green
Cockle Cow	Mallow Common	Smartweed Pennsylvania
Cocklebur Common	Mustard Tansy	Sowthistle Annual
Henbit	Nightshade Black	Sunflower Common (Wild)
Knawel (German Moss)	Pennycress Field (Fanweed)	Thistle Russian
Knotweed Prostrate	Frenchweed Stinkweed	Velvetleaf

The following weeds will be controlled with Dictator tank mixtures Tank mix partner label should be consulted regarding control of specific weeds

Alkanet	Groundsel Common	Poppy Red Horned
Bedstraw Catchweed	Hempnettle	Puncturevine
Carpetweed	Jacobs Ladder	Purslane Common
Chervil Bur	Lettuce Miners	Radish Wild
Chickweed Common	Mayweed Chamomile	Ragweed Common
Cornflower (Bachelorbutton)	(Dogfennel)	Ragweed Giant (Buffaloweed)
Dragonhead American	Mustard Blue (Purple)	Rocket London
Evening Primrose Cutleaf	Mustard Treacle	Rocket Yellow
Falseflax Smallseeded	Mustard Tumble (Jim Hill)	Salsify (Goatsbeard)
Fiddleneck (Tarweed)	Mustard Wild	Shepherdspurse
Flixweed	Nightshade Cutleaf	Sorrel Red (Sheep Sorrel)
Fumitory	Pepperweed Peppergrass	Starthistle Yellow
Gromwell Corn	Pineappleweed	Vetch

For these broadleaf weeds tank mixes with Dictator will control seedlings and provide suppression of established weeds

Bindweed Field	Nightshade Silverleaf ² (White)	Plantain Broadleaf
Dandelion Common	Horsenettle)	Thistle Canada
Dock Curley		Yarrow Common

Fall and Spring Seeded Wheat

Apply to fall seeded wheat before it reaches the jointing stage
 Apply to spring seeded wheat before it exceeds the 5 leaf stage

Tank Mix Treatments

Apply 2 to 4 fl oz of Dictator with the following tank mix partners See bullets at the end of this section for specific use precautions and restrictions

2,4 D (amine or ester)

0.25 to 0.375 lbs 2,4 D a.i. (8 to 12 fl oz of a 4 lb /gal 2,4 D end use product) per acre

MCPA (amine or ester)

0.25 to 0.375 lbs MCPA a.i. (8 – 12 fl oz of a 4 lb /gal MCPA end use product) per acre

Metsulfuron methyl

1/10 oz of a 60% DF metsulfuron methyl end use product per acre

Trisulfuron

0.28 fl Oz of a 75% DF trisulfuron end use product per acre

Tribenuron methyl

1/6 oz of a 75% DF tribenuron methyl end use product per acre

Thifensulfuron + Tribenuron methyl

1/3 oz of a 75%DF thifensulfuron + tribenuron methyl end use product per acre

Chlorsulfuron + Metsulfuron methyl

1/3 oz of a 75%DF chlorsulfuron + metsulfuron methyl end use product per acre

Chlorsulfuron

1/6 oz of a 75% DF chlorsulfuron end use product per acre

Bromoxynil

1 to 1 1/2 pint of a 2 lb /gal bromoxynil end use product per acre

Bromoxynil + MCPA

1 to 2 pints of a 4 lb /gal bromoxynil + MCPA end use product per acre

Clopyralid

1/4 to 1/3 pint of a 3 lb /gal clopyralid end use product per acre

Clopyralid + 2,4 D

2 to 2 2/3 pints of a 2.38 lb /gal clopyralid + 2,4 D end use product per acre

Diuron

1/2 to 1 1/2 lbs of an 80% DF diuron end use product per acre on fall seeded wheat only

Metribuzin

1 to 10 oz of a 75% DF metribuzin end use product per acre on fall seeded wheat only

Note

- Early developing wheat varieties such as TAM 107 MADISON 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 Do not use low rates of sulfonyl ureas (chlorosulfuron metsulfuron methyl thifensulfuron trisulfuron tribenuron methyl) on dense vegetative growth or on more mature weeds
- Herbicides containing the same active ingredient in a different formulation may be used Check application rate and timing before use
- Follow directions for use precautionary statements and other restrictions on labels of tank mix partners

Special Use Tank Mixes for Spring and Fall Seeded Wheat

Apply 3 to 4 fluid ounces of Dictator with the following tank mix partners. See bullets at the end of this section for additional Dictator application rates as well as specific use precautions and restrictions.

2,4 D or MCPA (amine)

0.5 to 1.0 lbs 2,4 D or MCPA a.i. (1 to 2 pt. of a 4 lb /gal 2,4 D or MCPA end use product per acre)

2,4 D or MCPA (ester)

0.5 to 0.75 lbs 2,4 D or MCPA a.i. (1 to 1.5 pt. of a 4 lb /gal 2,4 D or MCPA end use product per acre)

Metsulfuron methyl

1/20 to 1/10 oz. of a 60% DF metsulfuron methyl end use product per acre

Trasulfuron

0.14 to 0.28 oz. of a 75% DF trasulfuron end use product per acre

Chlorsulfuron

1/6 oz. of a 75% DF chlorsulfuron end use product per acre

Chlorsulfuron + Metsulfuron methyl

1/6 to 1/3 oz. of a 75% DF chlorsulfuron + metsulfuron methyl end use product per acre

Thifensulfuron + Tribenuron methyl

1/6 to 1/3 oz. of a 75% DF thifensulfuron + tribenuron methyl end use product per acre

Glyphosate

12 to 16 fl. oz. of a 3 lb /gal glyphosate end use product per acre

Dictator at 2 fl. oz. may be applied with no waiting period prior to planting with any glyphosate formulation labeled for use as a preplant application to small grains. Follow label directions for adjuvant use recommendations.

Use Dictator (3 to 4 fl. oz.) with the following tank mix partners for improved control of Russian thistle, flaxweed, gromwell, mayweed, and fiddleneck.

Metsulfuron Methyl plus 2,4 D (amine or ester)

1/10 oz. of a 60% DF metsulfuron methyl end use product plus 8 fl. oz. of a 2,4 D 4 lb /gal end use product per acre

Trasulfuron plus 2,4 D (amine or ester)

0.14 to 0.28 oz. of a 75% DF trasulfuron end use product plus 8 fl. oz. of a 2,4 D 4 lb /gal end use product per acre

Tribenuron methyl plus 2,4 D (amine or ester)

0.25 oz. of a 75% DF tribenuron methyl end use product plus 8 fl. oz. of a 2,4 D 4 lb /gal end use product per acre

Chlorsulfuron + Metsulfuron methyl plus 2,4 D (amine or ester)

1/6 - 1/3 oz. of a 75% DF chlorsulfuron + metsulfuron methyl end use product plus 8 fl. oz. of a 2,4 D 4 lb /gal end use product per acre

Chlorsulfuron plus 2,4 D (amine or ester)

0.2 oz. of a 75% DF chlorsulfuron end use product plus 8 fl. oz. of a 2,4 D 4 lb /gal end use product per acre

Triasulfuron plus 2,4 D (amine or ester)

0.14 to 0.28 oz of a 75% DF triasulfuron end use product plus 8 fl oz of a 2,4 D 4 lb /gal end use product per acre

Thifensulfuron + Tribenuron methyl plus 2,4 D (amine or ester)

1/6 - 1/3 oz of a 75% DF thifensulfuron + tribenuron methyl end use product plus 8 fl oz of a 2,4 D 4 lb /gal end use product per acre

Note

- Dictator can be used at 6 fl oz in western OR as a spring application only on fall seeded wheat. For suppression perennial weeds (such as bindweed) Dictator can be used up to 8 fl oz in CO, KS, NM, OK and TX on fall seeded wheat that has passed the 3 leaf stage.
- Make application in the fall before a killing freeze (NOTE – can be applied following a frost)
- Higher rate of 2,4 D or MCPA (ester or amine) is for use on fall seeded wheat only. Unless potential for crop injury will be acceptable, do not use.
- Tank mix with 2,4 D amine at a rate of 8 fl oz after wheat begins to tiller. Cold and wet weather and other periods of extended stress can increase the possibility of crop injury. For fall applications, do not use unless potential for crop injury is acceptable.
- Do not use low rates of sulfonyl ureas (chlorosulfuron, metsulfuron methyl, thifensulfuron, triasulfuron, tribenuron methyl) on dense vegetative growth or on more mature weeds.
- Herbicides containing the same active ingredient in a different formulation may be used. Check application rate and timing before use.
- Follow the Directions for Use, Precautionary Statements, Application Rates and Timings and any other restrictions found on the product labeling for each tank mix product used.

Fall and Spring Seeded Barley

Apply this product to fall seeded barley before the jointing stage.

Apply this product to spring seeded barley (including spring seeded varieties that are seeded during winter months or later) at the 4 leaf stage or earlier.

Tank Mix Treatments

Apply 2 to 4 fl oz Dictator to fall seeded barley or 2 to 3 fl oz of Dictator to spring seeded barley with the following tank mix partners:

2,4 D

0.25 lbs 2,4 D a.i. (8 fl oz of a 4 lb /gal 2,4 D end use product) per acre in fall seeded barley.

MCPA

0.25 to 0.375 lbs MCPA a.i. (8 – 12 fl oz of a 4 lb /gal MCPA end use product) per acre.

Metsulfuron methyl

1/20 to 1/10 oz of a 60% DF metsulfuron methyl end use product per acre.

Triasulfuron

0.14 – 0.28 fl Oz of a 75% DF triasulfuron end use product per acre.

Tribenuron methyl

1/12 to 1/6 oz of a 75% thifensulfuron + tribenuron methyl end use product per acre in fall seeded barley.

1/6 to 1/3 oz of a 75% thifensulfuron + tribenuron methyl end use product per acre in spring seeded barley.

Thifensulfuron + Tribenuron methyl

1/12 to 1/6 oz of a 75% thifensulfuron + tribenuron methyl end use product per acre in fall seeded barley
1/6 to 1/3 oz of a 75% thifensulfuron + tribenuron methyl end use product per acre in spring seeded barley

Chlorsulfuron

1/6 oz of a 75% DF chlorsulfuron end use product per acre

Chlorsulfuron + Metsulfuron methyl

1/6 to 1/3 oz of a 75%DF chlorsulfuron + metsulfuron methyl end use product per acre

Metribuzin

1 to 10 oz of a 75% DF metribuzin end use product per acre

Bromoxynil

1 to 1 1/2 pint of a 2 lb /gal bromoxynil end use product per acre

Bromoxynil + MCPA

3/4 to 1 1/2 pint of a 4 lb /gal bromoxynil + MCPA end use product per acre

Note

- Do not use low rates of sulfonyl ureas (chlorosulfuron metsulfuron methyl thifensulfuron triasulfuron tribenuron methyl) on dense vegetative growth or on more mature weeds
- Herbicides containing the same active ingredient in a different formulation may be used Check application rate and timing before use
- Follow directions for use precautionary statements and other restrictions on labels of tank mix partners

Fall and Spring Seeded Oats

Apply this product to spring seeded oats at the 5 leaf stage or earlier
Apply this product to fall seeded oats before the jointing stage

Tank Mix Treatments

MCPA

Tank mix 2 to 4 fl oz Dictator plus 25 to 375 lbs MCPA a i per acre (8 – 12 fl oz of a 4 lb /gal MCPA end use product)

This product may be tank mixed with one or more of the following herbicides Read and follow the label of each tank mix product used for precautionary statements directions for use weeds controlled geographic and other restrictions

SORGHUM (MILO)

Dictator will control many actively growing annual broadleaf weeds and will control seedlings of and reduce competition from established perennial weeds (see Weeds list)

Application Rate

Dictator can be applied at 1/2 pint (1/4 lb a i) per treated acre (broadcast)

Application Timing

Preemergence At least 15 days prior to planting apply Dictator to emerged and actively growing weeds

Postemergence After sorghum is in the spike stage (all sorghum emerged) but before sorghum has reached 15 inches in height

Applying Dictator to sorghum in the 3 to 5 leaf stage and when weeds are less than 3 inches tall results in best performance

If sorghum is taller than 8 inches use drop pipes (drop nozzles)

To improve spray coverage of weed foliage and reduce likelihood of crop injury keep spray off sorghum leaves and out of whorl

Preharvest Uses

For Use Only in the States of Texas and Oklahoma

After sorghum has reached soft dough stage Dictator may be applied for weed suppression Performance is approved with the addition of an agrculturally approved surfactant

Application Rate

Dictator can be applied at 1/2 pint (1/4 lb a i) per treated acre (broadcast)

Apply in at least 2 gallons of water based carrier per treated acre when applying aerially

Pre harvest Interval (PHI) Wait a minimum of 30 days after the last application of this product before harvesting sorghum grain and fodder Wait a minimum of 20 days before harvesting sorghum forage

Tank Mix Treatments

Dictator plus atrazine

0.5 to 2 lbs atrazine mixed with 1/2 pint Dictator per treated acre

- For improved control of broadleaf weeds (emerged actively growing) including triazine resistant species use atrazine up to 1.25 lbs a i /A
For added suppression of perennial broadleaf weeds use atrazine up to 1.25 lbs a i /A
For control of grasses up to 1.5 inches in height use atrazine at 2 lbs a i /A
- Making application when sorghum is 3.8 inches tall and when weeds are less than 6 inches tall will give best performance and will result in minimal crop injury
- Make application of atrazine before sorghum is beyond 1 foot tall
- Atrazine rate will depend on length of residual weed control desired and upon soil texture
- Follow all Federal and state restrictions regarding atrazine

Dictator plus bromoxynil

1 1/2 pints of a 2 lb /gal bromoxynil product mixed with 1/2 pint dictator per treated acre

Make application to sorghum that is between 4 leaf stage to 15 inches in height

For sorghum taller than 8 inches drop nozzles should be used to direct spray beneath sorghum leaves

Follow directions for use precautionary statements and other restrictions on labels of tank mix partners

Overlay (Sequential) Treatments

Dictator can be applied to ground that has undergone prior treatment with a herbicide containing one or more of the following herbicides

Alachlor (4.0) atrazine (2.5) metolachlor (1.6) propachlor (5)

NOTE – numbers in parentheses indicate maximum lbs a i per treated acre

Maximum use rate for atrazine is determined by soil type tillage practices used surface residue and state or local restrictions Follow the more restrictive requirements when determining the maximum use rate for atrazine

Metolachlor should be used on sorghum seed that has been treated with a fluxofenin or other protective seed treatment product

Important

- Follow all Directions for Use Precautions (including references to crops growing under stress) Mixing and Application Instructions
Do not make more than one application per growing season

- Temporary leaning of plants or rolling of leaves (typically outgrown within 10 – 14 days) can occur if Dictator is applied to sorghum during periods of rapid growth
- Sorghum must reach mature grain stage before grazing or feeding treated sorghum forage or silage See Pasture Use section for sorghum grown for pasture or hay
- If sorghum is grown for seed production do not apply this product

SUGARCANE

Dictator will control many broadleaf weeds (Annual Biennial and Perennial – Refer to Weeds List) typically found in sugarcane when applied at listed rates

Rates and Timing

Annual weeds (small actively growing) Apply ½ to 1 pint Dictator (1/4 to ½ lb a.i.) broadcast per treated acre

Annual weeds (established) Apply 1 to 1 ½ pints Dictator (1/2 to 3/4 lb a.i.) broadcast per treated acre

Biennial weeds Apply 1 to 2 pints Dictator (1/2 to 1 lb a.i.) broadcast per treated acre

Perennial weeds Apply 2 pints Dictator (1 lb a.i.) broadcast per treated acre

Tank Mix Treatments

For control of additional broadleaf weeds or grasses Dictator can be tank mixed with one or more herbicides containing the following active ingredients

Ametryn (2/5 to 8 lbs a.i. per treated acre)

Asulam (2 to 3 1/3 lbs a.i. per treated acre)

Atrazine (2/5 to 4 lbs a.i. per treated acre)

2,4 D (1/2 to 3 lbs a.i. per acre) [NOTE – application of Dictator plus 2,4 D at higher listed range could result in crop injury]

Important

- Apply Dictator before the close in stage of sugar cane and any time after weeds have emerged and are actively growing
- Higher listed amounts of Dictator should be used when treating dense vegetative growth To minimize likelihood of crop injury direct spray beneath sugarcane canopy when possible
- To maximize spray coverage of weed foliage use directed spray application
- When retreating sugarcane do not apply more than 4 pints Dictator (2 lbs a.i.) per treated acre per year
- Read and follow Mixing and Application instructions and observe all precautions
- When using with a tank mix follow the tank mix partner label regarding Directions for use weeds controlled rates and timing geographic and other restrictions and precautionary statements
- State or local authorities should be consulted regarding possible application restrictions particularly concerning special local use situations or aerial applications
Pre harvest interval (PHI) Wait a minimum of 87 days after the last application of this product before harvesting sugarcane cane

FALL AND SPRING SEEDED TRITICALE EXCEPT CALIFORNIA

Early Season Applications

Apply Dictator at a rate of 2 to 4 fluid ounces

- Make application to fall seeded triticale prior to jointing stage
- Make application to spring seeded triticale prior to 6 leaf stage

Tank Mixes

Dictator tank mixed with bromoxynil will give best performance when used on triticale

CONSERVATION RESERVE PROGRAM (CRP) ACRES

Dictator can be applied both to established grasses and newly seeded grasses or small grains (such as barley oats rye sudangrass wheat or other cover crop grain species) grown in Conservation Reserve or Federal Set Aside Programs Dictator will provide control or suppression of many perennial weeds and control of many annual and biennial weeds (see Weed List) when used at listed rates

For Newly Seeded Areas Dictator may be applied preplant or postemergence (after seedling grasses exceed the 3 leaf stage)

- If intervals between Dictator application and grass planting are less than 45 days per pint of product treated (West of Mississippi River) or 20 days per pint (East of Mississippi River) injury to new seedlings may occur
When applying postemergence newly seeded grasses can be severely injured if Dictator is used at more than 1 pint per treated acre

Perennial grasses that have been planted for one or more seasons prior to treatment are considered as Established Grass Stands When applying Dictator at rates exceeding 1 pint per treated acre certain grass species (bentgrass carpetgrass smooth brome buffalograss St Augustine grass) may be injured

Rates and Timing

For small actively growing annuals use Dictator at a rate of ¼ to 1 pint (1/8 to ½ lb a i) broadcast per treated acre

For biennials with rosettes less than 3 inches in diameter use Dictator at a rate of ½ to 1 pint (1/4 to ½ lb a i) broadcast per treated acre

For annuals with established weed growth use Dictator at a rate of 1 pint (1/2 lb a i) broadcast per treated acre

For biennials with rosettes 3 inches or greater in diameter use Dictator at a rate of 1 to 2 pints (1/2 to 1 lb a i) broadcast per treated acre

For bolting biennials or suppression of perennials use Dictator at a rate of 2 pints (1 lb a i) broadcast per treated acre

Tank Mix Treatments

Dictator can be tank mixed with other herbicides registered for use in Conservation Reserve Programs to control grasses and additional broadleaf weeds Consider tank mixing with herbicides containing the active ingredients 2 4 D glyphosate metsulfuron methyl paraquat and others

Important

- Higher specified rates of Dictator should be used on dense or tall vegetation or for weeds growing under stressed conditions (i e drought cool temperatures etc)
- Treat biennial weeds when they are in the rosette stage of growth for best results
- For seedling control and escapes biennial and perennial weeds will require sequential follow up treatments
- When making multiple/repeat applications do not exceed a total of 2 quarts (2 lbs a i) Dictator per treated acre per year
Alfalfa clovers lespedeza wild inter peas vetch and other legumes will be injured or killed if treated with Dictator
For newly seeded grasses do not use adjuvants containing penetrants (such as petroleum based oils) once grass has emerged
- Follow directions for use precautionary statements and other restrictions on labels of tank mix partners
Follow mixing and application instructions and precautions on this label

PREPLANT DIRECTIONS
(POST HARVEST / FALLOW / CROP STUBBLE / SET A SIDE) FOR BROADLEAF WEED CONTROL
BEFORE WHEAT CORN SORGHUM SOYBEANS

Dictator when applied preplant / postharvest will control or suppress many annual biennial and perennial broadleaf weeds Dictator can be applied to crop stubble / set a side areas or in the fall spring or summer during the fallow period See Weeds Controlled section under Small Grains for a list of annual broadleaf weeds controlled The following biennial and perennial broadleaf weeds are controlled or suppressed by Dictator

Alfalfa	Dock curly	Smartweed swamp
Artichoke Jerusalem	Dogbane hemp	Sowthistle perennial
Bindweed field and hedge	Garlic wild	Spurge leafy
Blueweed Texas	Horsenettle Carolina	Thistle bull Canada milk musk
Bursage (Bur ragweed	Knapweed diffuse and spotted	plumeless scotch
Povertyweed Lakeweed)	Nightshade silver	Trumpet creeper (Buckyvine)
Dandelion common	Redvine	

Rates and Timing

For control of Annual weeds Apply Dictator at a rate of 1/2 to 1 pint (1/4 to 1/2 lb a.i.) per treated acre

For control of Biennial and suppression of Perennial weeds Apply Dictator at a rate of 1 to 2 pints (1/2 to 1 lb a.i.) per treated acre

For control of Perennial weeds Apply Dictator at a rate of 2 pints (1 lb a.i.) per treated acre

Notes

Apply Dictator as a broadcast or spot treatment

To enhance spray coverage and penetration of weed foliage agriculturally approved spray additives (such as surfactants or oil) may be used with Dictator

- See Cropping Restrictions (below) for interval between application and planting to prevent crop injury
 - Application of Dictator when annual weeds have not yet reached 6 inches in height and when biennial weeds are still in rosette stage will give best results
 - For best performance against perennial weed regrowth apply Dictator in late summer or fall after mowing or tillage treatment
 - For best control of upright perennial broadleaf weeds (such as Jerusalem artichoke or Canada thistle) make application when majority of weeds (such as field or hedge bindweed) are in or beyond the full bloom stage
- Following application of Dictator avoid disturbing treated areas
- For weeds that develop from seed rhizomes or bulblets (or other underground plant parts) applications may not kill weeds after the effective period for Dictator
- Institute a follow up program or use of effective cultural practices if necessary for seedling control
 - For use of Dictator on small grains in crop see Small Grains section

Tank Mix Treatments (including Special Tank Mixes)

Dictator can be mixed with the following tank mix partners for control of grasses or additional broadleaf weeds

Atrazine

- Mix 1/4 to 1 pint Dictator with 0.5 to 0.6 pints of a 4 lb per gallon atrazine product or 1/2 to 3 1/3 lbs of a 90%DF atrazine product per treated acre for control of ANNUAL weeds

Chlorsulfuron + metsulfuron methyl

Mix ¼ to 1 pint Dictator with 0.2 oz of a 75% DF chlorsulfuron + metsulfuron methyl product per treated acre for control of ANNUAL weeds

Clopyralid + 2,4 D

- Mix 1 to 2 pints Dictator with 2 to 4 pints of a 2.38 lb /gal clopyralid + 2.4 D product per treated acre for control of BIENNIAL and PERENNIAL weeds

Glyphosate

- Mix ¼ to 1 pint Dictator with 8 – 48 fl oz of a 3 lb /gal glyphosate product per treated acre for control of ANNUAL weeds
- Mix 1 to 2 pints Dictator with 1 to 5 quarts of a 3 lb /gal glyphosate product per treated acre for control of BIENNIAL and PERENNIAL weeds
- Mix ½ to 1 pint Dictator with 8 to 16 fl oz of a 3 lb /gal glyphosate product per treated acre for SUPPRESSION of PERENNIAL weeds

Glyphosate + dicamba

- Mix ¼ to 1 pint Dictator with 22 – 44 fl oz of a 1.6 lb /gal glyphosate + dicamba product per treated acre for control of ANNUAL weeds

Glyphosate + 2,4 D

Mix ¼ to 1 pint Dictator with 27 – 54 fl oz of a 2.4 lb /gal glyphosate + 2.4 D product per treated acre for control of ANNUAL weeds

Mix 1 to 2 pints Dictator with 54 fl oz of a 2.4 lb /gal glyphosate + 2.4 D product per treated acre for control of BIENNIAL and PERENNIAL weeds

Glyphosate + 2,4 DGlyphosate + Dicamba

- Mix 1/8 to ¼ pint Dictator plus 22 to 54 fl oz of a 2.4 lb /gal glyphosate + 2.4D product or 1.6 lb /gal glyphosate + dicamba product for improved control of kochia wild buckwheat and prickly lettuce (along with other annual weeds)
- Mix ¼ to ½ pint Dictator plus 22 to 54 fl oz of a 2.4 lb /gal glyphosate + 2.4D product or 1.6 lb /gal glyphosate + dicamba product for improved control or suppression of field bindweed and Canada thistle

Metribuzin

Mix ¼ to 1 pint Dictator with 0.5 to 1 lb of a 75% DF metribuzin product or 0.75 to 1.5 pints of a 4 lb /gal metribuzin product per treated acre for control of ANNUAL weeds

Metsulfuron Methyl

- Mix ¼ to 1 pint Dictator with 0.1 oz of a 75% DF product per treated acre for control of ANNUAL weeds

Paraquat

- Mix ¼ to 1 pint Dictator with 1.2 pints of a 2 lb /gal paraquat product or 1.5 pints of a 2.5 lb /gal paraquat product per treated acre for control of ANNUAL weeds

Picloram

- Mix 1 to 2 pints Dictator with ½ to 1 pint of a 2 lb /gal picloram product per treated acre for control of BIENNIAL and PERENNIAL weeds

Pronamide

- Mix ¼ to 1 pint Dictator with 0.5 to 1 lb of a Pronamide 50W product per treated acre for control of ANNUAL weeds
- Mix 1 pint Dictator with ½ to 1 lb of a Pronamide 50W product per treated acre for control of volunteer barley bulbous bluegrass downy brome jointed goatgrass common rye and volunteer wheat Apply during fallow periods when weeds are actively growing Plant fall seeded wheat 9 months or more after application Application between mid October and mid December prior to soil freeze up gives best performance

Triasulfuron

- Mix ¼ to 1 pint Dictator with 0.28 to 0.35 oz of a 75% DF triasulfuron product per treated acre for control of ANNUAL weeds

2,4 D

- Mix ¼ to 1 pint Dictator with 1 – 2 pints (0.5 to 1 lb a.i.) of a 4 lb /gal 2,4 D product per treated acre for control of ANNUAL weeds
- Mix 1 to 2 pints Dictator with 2.4 pints (1 to 2 lbs a.i.) of a 4 lb /gal 2,4 D product per treated acre for control of BIENNIAL and PERENNIAL weeds

2,4 D (LV ester)

- Mix 1 pint of Dictator with 3 pints of a 4 lb /gal 2,4 D LV ester product per treated acre for WILD GARLIC CONTROL Apply when wild garlic is 4-8 inches tall

Tank Mix Notes

- For Canada Thistle control use Dictator Dictator plus a 2.38 lb /gal clopyralid + 2,4 D product or Dictator plus a 3 lb /gal glyphosate product
- For tank mixes with atrazine metribuzin or pronamide review tank mix partner labels carefully as tank mixes with these products may be subject to special restrictions
- For tank mixes with sulfonyleurea herbicides (such as chlorsulfuron + metsulfuron methyl) use an 80% a.i. surfactant at a rate of not more than 0.25 to 0.5% by volume (such as 1 to 2 parts per 100 gallons spray) Higher specified rates of surfactant should be used with lower specified rates of tank mix partners and/or when treating dense vegetative growth or more mature weeds
- Sulfonyleurea resistant weeds may not be controlled with tank mixes of Dictator and sulfonyleurea products (such as chlorsulfuron + metsulfuron methyl) Consider alternate tank mixes in this case
- For tank mixes with 2,4 D formulations other than 4 lb /gal use lbs a.i. /acre listed

Important

- Multiple applications / retreatment can be made as needed but do not exceed a maximum amount of Dictator (dicamba) per treated acre during any given fallow period of 4 pints product (2 lbs a.i.)
- Perennials noted () on general WEED LIST may be controlled by using Dictator at application rates lower than specified for other listed perennial weeds (see WEED LIST)
- Follow directions for use precautionary statements and other restrictions on labels of tank mix partners
- Follow mixing and application instructions and precautions on this label

Cropping Restrictions

Based on use of dicamba (including Dictator and any tank mix partners) up to 2 lbs a.i. per treated acre per year

- Corn Sorghum and Soybeans can be planted in spring after applications that were made the previous year If limited rainfall (less than 1 inch) occurs between application and first killing frost cultivate treated acres before or immediately after ground thaw to allow herbicide to come in contact with moist soil

- If interval between application and planting is less than specified soybean injury may occur Delay planting for 30 days per pint of Dictator / A in areas with greater than 30 of rainfall Delay planting for 45 days per pint of Dictator / A in areas with 30 of rainfall or less Do not count days when ground is frozen
- Plant wheat in fall or spring following applications If crop injury can be tolerated spot applications can be made any time prior to crop emergence If interval between application and planting is less than specified wheat injury may occur
- For use east of the Mississippi river allow an interval of 20 days per pint of Dictator per treated acre (1 ¼ day per ounce) Do not count days when ground is frozen as moisture is necessary for Dictator degradation
- For use west of the Mississippi river allow an interval of 45 days per pint of Dictator per treated acre (3 day per ounce) Do not count days when ground is frozen as moisture is necessary for Dictator degradation
- Any rotational crop may be planted following a normal harvest of barley oats or wheat If a shortened interval before harvest occurs (such as plowing under of cover crops) do not plant a sensitive crop

SUPPRESSION / CONTROL OF PERENNIAL BROADLEAF WEEDS IN CROPLAND
(SPOT APPLICATION ONLY) FOR USE ONLY IN THE STATES OF IDAHO MONTANA NEVADA
OREGON UTAH AND WASHINGTON

Dictator controls many broadleaf weeds (including black knapweed broadleaf dock (Bitterdock) Canada thistle curly dock field bindweed leafy spurge Russian knapweed tansy ragwort) when applied at listed rates

Dictator can be applied at a rate of 1 quart (1 lb a i) per treated acre any time following a crop harvest to stubble fallow or other cropland Make application when weeds are actively growing and before a killing frost Application can be made up to one month prior to planting wheat

Important

- Do not make more than 1 application of Dictator per year
- Do not apply Dictator to areas where soil remains saturated with water throughout the year or to subirrigated cropland
- Unless injury to wheat or rotated barley is acceptable do not treat with Dictator One year after application treated areas can be planted with barley oats corn sorghum (milo) and annual or perennial grass crops
- Wait two years after application to plant treated areas with broadleaf crops (such as alfalfa beans peas potatoes sugar beets)
- Three years after application treated areas can be planted with crops grown for seed (other than perennial grass seed)
- Perennial weed seedlings that germinate from seed one or two years after treatment are not killed in most cases Once herbicidal effects of Dictator have subsided institute a follow up program or use of effective cultural practices for seedling control
- Follow mixing and application instructions and precautions on this label

NON CROPLAND (PASTURE, HAY, RANGELAND AND FARMSTEAD)

Dictator will provide brush control and control of many annual biennial and perennial broadleaf weeds when applied at specified rates and is recommended for use on non cropland (pasture hay rangeland and farmstead including non irrigation ditch banks and fence rows) At listed rates Dictator will also

control many woody vine and brush species commonly found in non cropland areas (Refer to Weed List) Dictator can also be applied (broadcast or spot treatment) in Noxious Weed Control Programs Districts or Areas to control broadleaf weeds in non cropland areas (railroad and pipeline rights of way utilities roadsides and highways) NOTE – Noxious weed programs may be administered at county State or other level however noxious weeds must be recognized at the State level

Rates and Timing

For small actively growing annual weeds and biennial weeds with rosettes less than 3 inches in diameter use Dictator at a rate of ½ to 1 pint (1/4 to ½ lb a i) broadcast per treated acre

For annual weeds with established weed growth use Dictator at a rate of 1 to 1 ½ pints (1/2 to ¾ lbs a i) broadcast per treated acre

For biennial weeds with rosettes 3 inches or more in diameter for suppression or top growth control of perennials and for top growth suppression of woody brush and vines use Dictator at a rate of ½ to 1 qt (1/2 to 1 lb a i) broadcast per treated acre

For control of bolting biennials and perennials and top growth and stem control and stem suppression of woody brush and vines use Dictator at a rate of 1 qt (1 lb a i) broadcast per treated acre

Mixing and Application

Dictator can be applied using water emulsions of oil in water (including invert systems) or fluid fertilizers (sprayable) as carriers Prior to mixing (carriers or tank mix) a compatibility test should be made (see **Compatibility Test** section)

For oil in water emulsions spray tank should be filled halfway with water followed with appropriate amount of emulsifier While spray tank is under continuous agitation next add herbicide slowly followed by oil (fuel or diesel) or oil + additional emulsifier premix Finish filling spray tank completely with water To prevent oil and water from forming separate layers vigorous agitation should be maintained during spray operation

Spray additives such as herbicide adjuvants penetrants wetting agents surfactants emulsifiers or drift control agents can be used with Dictator as long as they have been agriculturally approved when used in pasture applications All use recommendations and precautions on additive labels should be followed

Dictator can be applied broadcast either aerially or by ground application

- For aerial application apply 1 to 40 gallons per treated acre of diluted spray in a water based carrier
- For ground application apply 3 to 600 gallons per treated acre of diluted spray

Weed or brush type height and density as well as type of ground application equipment used all affect the volume of spray applied

Undesirable vegetation growing in individual clumps or small areas may be spot treated with a handgun or other type of application equipment used for spot treatment Apply dilute sprays to foliage and stems up to run off (complete wetting)

Tank Mix Treatments

For control of additional broadleaf weeds grasses and woody brush and vines Dictator can be tank mixed with one or more herbicides containing the following active ingredients

Glyphosate (3/4 to 3 ¼ lbs a i per treated acre)

Metsulfuron methyl (0.0038 to 0.011 lbs a i per treated acre)

Paraquat (1/2 to 1 lb a i per treated acre)

Picloram (1/8 to 3 lbs a i per treated acre)

Triclopyr (3/4 to 8 lbs a i per treated acre)

2,4 D (1/4 to 4 lbs a i per treated acre)

A compatibility test (see **Compatibility Test** section) is recommended prior to actual tank mixing

Important

- When making multiple applications of Dictator do not exceed a total of 2 quarts (2 lbs a.i.) per treated acre per year
- Product uses described in this section also pertain to small grains grown for pasture use only (barley forage sorghum oats rye sudangrass wheat)
- If vegetation to be treated is dense or tall higher listed rates of Dictator should be used
- Best control of biennial weeds occurs in rosette stage
Perennials noted () on General WEED LIST may be controlled with lower rates of Dictator or Dictator + 2,4-D (see WEED LIST)
- Established grass crops that are under stress can display symptoms of injury Application of herbicides (including Dictator alone or in a tank mix) can aggravate these symptoms
- If Dictator is used at rates greater than 1 pint per acre newly seeded areas including small grains grown for pasture can be severely injured
- If Dictator is used at rates greater than 1 pint per acre bentgrass carpetgrass buffalograss and St. Augustine grass may be injured (colonial bentgrasses are typically more tolerant than creeping types velvetgrasses are most easily injured)
- Alfalfa clovers lespedeza wild winter peas vetch and other legumes will be killed or injured by treatments with Dictator
- Animals to be slaughtered cannot be removed from areas treated with Dictator until 30 days after last application
Lactating dairy animals must not graze fields for 7 days after applications of Dictator up to 1 pint (1/2 lb a.i.) per treated acre or 21 days after applications of Dictator greater than 1 pint up to 1 quart (1 lb a.i.) per treated acre There is no waiting period between treatment and grazing for non lactating animals
- Hay to be used as feed for lactating dairy animals cannot be harvested for 37 days after applications of Dictator up to 1 pint (1/2 lb a.i.) per treated acre or 51 days after applications of Dictator greater than 1 pint up to 1 quart (1 lb a.i.) per treated acre
Follow directions for use precautionary statements and other restrictions on labels of tank mix partners
- Follow mixing and application instructions and precautions on this label

CUT SURFACE TREE TREATMENTS

Dictator can prevent cut tree sprouts and control unwanted trees when applied as a cut surface treatment Use in a tank mix with 2,4-D can result in more rapid foliar effects

Rate and Application

Mix 1 part Dictator with 1 to 3 parts water Use a more concentrated Dictator solution when treating species that are difficult to control

Stump Treatments Freshly cut stump surface should be sprayed or painted with Dictator solution Be sure to thoroughly wet the area adjacent to the bark

Frill or Girdle Treatments Use an axe to girdle tree trunk with a series of overlapping cuts or one continuous cut Cut surface should be sprayed or painted with Dictator solution

DORMANT APPLICATIONS FOR CONTROL OF MULTIFLORA ROSE

Dictator can be applied as an undiluted spot concentrate directly to soil or as an oil water emulsion solution (LO OIL Basal Bark treatment) to dormant multiflora rose plants

Spot Concentrate Apply Dictator directly to the soil at a rate dependent on canopy diameter of the multiflora rose For example

Canopy Diameter	Dictator Concentration
5 feet	1/2 fl oz
10 feet	1 fl oz
15 feet	2 1/4 fl oz

- Apply product to soil as close as possible to root crown (within 6 to 8 inches of the crown)
- Make application to the uphill side of the crown on sloping terrains
- When snow or water prevents applying Dictator directly to the soil do not apply
- Do not apply more than 2 quarts Dictator per acre per year

LO OIL Basal Bark Mix 1 pint of Dictator with 1 1/2 pints No 2 diesel fuel along with 1 ounce emulsifier in 1 1/2 gallons of water to make approximately 2 gallons of LO OIL spray (for instructions on preparing an oil in water emulsion refer to Mixing and Applications in this section of the label) For different amounts of final spray solution proportionally adjust amounts of materials Apply LO OIL spray solutions to the basal stem region to a height of 12 to 18 inches starting at the ground line Make sure to cover the root crown and spray until runoff

- Make application when plants are dormant for best results
After budbreak or if plants are showing signs of active growth do not apply
- When snow or water prevents applying LO OIL spray to the ground line do not apply
- Do not apply more than 8 gallons of LO OIL spray solution mix per acre per year

TURF- FOR USE IN FARMSTEAD (NON CROPLAND) AND SOD FARMS

Dictator controls many broadleaf weeds (annual biennial and noted () perennial) commonly found in turf Additionally Dictator will suppress the growth of many other listed woody brush and vine species and perennial broadleaf weeds (see WEED LIST)

Rates and Timing

For small actively growing annual weeds and for biennial weeds with rosettes less than three inches in diameter use Dictator at a rate of 1/2 to 1 pint (1/4 to 1/2 lb a i) per treated acre or 1 to 2 1/4 teaspoons per 1000 sq ft

For annual weeds with established weed growth use Dictator at a rate of 1 to 1 1/2 pints (1/2 to 1 lb a i) per treated acre or 2 1/2 to 3 1/2 teaspoons per 1000 sq ft

For biennial weeds with rosettes 3 inches or greater in diameter and for perennial weeds and woody brush and vines use Dictator at a rate of 1 to 2 pints (1/2 to 1 lb a i) per treated acre or 2 1/4 to 4 1/2 teaspoons per 1000 sq ft

Depending on spray equipment used and density or height of weeds to be treated dilute specified amount of Dictator in 30 to 200 gallons of water per treated acre or in 3 quarts to 4 1/4 gallons of water per 1000 sq ft

Tank Mix Treatments

For control of additional weed species Dictator can be tank mixed with 2 4 D MCPA MCPP p or bromoxynil (see tank mix partner label for details regarding weeds controlled)

Dictator should be used at a rate of 1/5 to 1/2 pint (1/10 to 1/4 lb a i) per treated acre with

- 1/2 to 1 1/2 lbs acid equivalent of 2 4 D or MCPA
- 1/2 lb of MCPP p
- 3/8 to 1/2 lb a i of bromoxynil (Do not use tank mixes containing bromoxynil near residential areas)

Established weed stands should be treated with higher specified rates of tank mix partners

Important

- Application to weeds that are emerged and actively growing gives best performance
- Higher specified levels of product should be used when treating dense vegetative growth
- Multiple/ repeat applications can be made but do not apply more than 2 pints (1 lb a i) Dictator per treated acre per year
- Delay application of Dictator until after second mowing to avoid injury to newly seeded grasses
- Sensitive grass species (such as bentgrass buffalograss carpetgrass St Augustine grass) can exhibit stunting or discoloration if Dictator is applied at rates higher than 1 pint (1/2 lb a i) per treated acre
- Where roots of sensitive plants extend limit Dictator application rates to ¼ pint (1/8 lb a i) per treated acre on coarse textured (sandy type) soils or to ½ pint (1/4 lb a i) per treated acre on fine textured (clayey type) soils
- Where roots of sensitive plants extend repeat applications should not be made for 30 days and until prior application of Dictator has been activated by rain or irrigation
- Follow directions for use precautionary statements and other restrictions on labels of tank mix partners
- Follow mixing and application instructions and precautions on this label

GRASS SEED CROPS – GRASSES GROWN FOR SEED
(SUCH AS BERMUDA GRASS BLUEGRASS FESCUE RYEGRASS)

Dictator will provide control or suppression of several annual broadleaf weeds (see list below) Tank mixing Dictator with other herbicides registered for use in Grass Seed Production will give control of additional weed species as well as improved control of listed weeds

These weeds will be controlled with Dictator

Alfalfa ¹	Clover	Lambsquarters common
Bedstraw catchweed	Cockle white	Lettuce prickly
Bindweed field	Dock broadleaf or curly	Mayweed (Dogfennel)
Buttercup – corn creeping or western field	Hemlock poison	Ragwort tansy
Catchfly nightflowering	Knapweed Russian ¹	Sorrel red (Sheep Sorrel)
Chamomile corn	Knotweed prostrate	Sowthistle annual
Chickweed common or mouseear	Kochia	Starwort little
	Ladysthumb	Thistle Canada ¹

¹Top Growth only

Rates and Timing

Seedling Grass Apply ½ to 1 pint Dictator per treated acre after crop reaches 3 to 5 leaf stage
Perennial Grass (well established) Apply 2 pints Dictator per treated acre BEFORE grass seed crop begins to joint

Tank Mix Treatments

Apply ½ to 2 pints of Dictator with the following tank mix partners

2,4 D (amine or ester)

0.5 to 2.0 lbs 2,4 D a i (1 to 4 pints of a 4 lb /gal 2,4 D end use product) per acre

MCPA (amine)

0.5 to 1.0 lbs MCPA a i (1 to 2 pints of a 4 lb /gal MCPA end use product) per acre

Bromoxynil

0.25 to 0.5 lbs bromoxynil (1 to 2 pints of a 2 lb /gal bromoxynil end use product) per acre

Clopyralid

0.1 to 0.375 lbs clopyralid (1/4 to 1 pint of a 3 lb /gal clopyralid end use product) per acre

Clopyralid + 2,4D

1 3/4 to 4 pints of a 2.38 lb /gal clopyralid +2.4D end use product per acre

Diuron 80% DF

2 to 4 lbs of an 80% dry flowable diuron end use product per acre

Important

- Possible crop injury can occur when using Dictator on bentgrass Do not use on bentgrass unless crop injury can be tolerated
- Applying Dictator to weeds that are in the 2-4 leaf stage or with rosettes less than 2 inches across will give best results
- For use on dense vegetative growth or more mature weeds use higher specified levels of herbicide
- Possible grazing and feeding restrictions in Non Cropland (Pasture Hay Rangeland and Farmstead) section of label must be observed
Follow directions for use precautionary statements and other restrictions on labels of tank mix partners
- Follow mixing and application and precautions on this label

ANNUAL GRASS CONTROL

Application of Dictator in fall or late summer after harvest and burning of established grass seed crops will suppress annual grass weeds (such as downy brome fescue rattail ripgut brome windgrass) Dictator should be applied at a rate of 2 pints product per treated acre immediately following first irrigation when soil is moist and when weeds are smaller than the 2 leaf stage

WIPER APPLICATION USES

To control or suppress actively growing broadleaf weeds brush and vines Dictator can be applied through wiper application equipment Apply a solution of 1 part Dictator to 1 part water

IMPORTANT

- Do not allow herbicide solution to contact desirable vegetation
- Wiper application can be used only on crops (including Pastures) and Non cropland areas described in this label with the exception of Grain Sorghum (milo)
- Follow mixing and application instructions and precautions on this label

STORAGE AND DISPOSAL

Do not contaminate water food or feed by storage or disposal

PESTICIDE STORAGE Store in original container in a well ventilated area separately from fertilizer feed and foodstuffs Avoid cross contamination with other pesticides Spillage or leakage should be contained and absorbed with clay granules sawdust or equivalent material for disposal

PESTICIDE DISPOSAL Triple rinse pesticide from containers and use rinsates in the pesticide application Wastes which cannot be used according to label instructions may be disposed of on site or at an approved waste disposal facility

CONTAINER HANDLING

[FOR NONREFILLABLE CONTAINERS LESS THAN 5 GALLONS]

Nonrefillable container Do not reuse or refill this container Triple rinse container (or equivalent) promptly after emptying Triple rinse as follows Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip Fill the container 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 Then offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration or if allowed by state and local authorities by burning If burned stay out of smoke

[FOR NONREFILLABLE CONTAINERS GREATER THAN 5 GALLONS]

Nonrefillable container Do not reuse or refill this container Triple rinse container (or equivalent) promptly after emptying Triple rinse as follows Empty the remaining contents into application equipment or a mix tank Fill the container ¼ full with water Replace and tighten closures Tip container on its side and roll it back and forth ensuring at least one complete revolution for 30 seconds Stand the container on its end and tip it back and forth several times Turn the container over onto its other end and tip it back and forth several times Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal Repeat this procedure two more times Then offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration or if allowed by state and local authorities by burning If burned stay out of smoke

[FOR REFILLABLE CONTAINERS GREATER THAN 5 GALLONS]

Refillable container Refill this container with pesticide only Do not reuse this container for any other purpose Cleaning the container before final disposal is the responsibility of the person disposing of the container Cleaning before refilling is the responsibility of the refiller To clean the container before final disposal empty the remaining contents from this container into application equipment or mix tank Fill the container about 10 percent full with water Agitate vigorously or recirculate water with the pump for 2 minutes Pour or pump rinsate into application equipment or rinsate collection system Repeat this rinsing procedure two more times Then offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration or if allowed by state and local authorities by burning If burned stay out of smoke

WARRANTY AND LIABILITY

Ritter Chemical LLC warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes set forth in the Complete Directions for Use booklet labeling when used in accordance with those Complete Directions for Use under the conditions described therein TO THE EXTENT CONSISTENT WITH APPLICABLE LAW NO OTHER EXPRESS WARRANTY OR IMPLIED WARRANTY OF FITNESS FOR PARTICULAR PURPOSE OR MERCHANTABILITY IS MADE This warranty is also subject to the conditions and limitation stated herein

[EPA PENDING TEXT]