

**FOR SOUTHERN AND SOUTHEASTERN STATES ONLY
POST-EMERGENCE DIRECTED SPRAY APPLICATIONS**

Willowood Metribuzin 75DF can be applied in post-emergence directed sprays to soybeans for control of certain weeds which escape pre-plant or pre-emergence herbicide applications and for control of additional flushes of weeds that may occur after soybeans have emerged. Post-emergence directed sprays of **Willowood Metribuzin 75DF** can be applied to soybeans in addition to a pre-emergence or pre-plant application of **Willowood Metribuzin 75DF** according to label directions.

Use Precaution - Soybeans (Directed Post-Emergence)

- To avoid injury to other crops or desirable plants from spray drift, sprayer pressure must not exceed 30 PSI and the sprayer must be fitted with nozzles no smaller than 8002 T-Jet (or equivalent).

Use Restrictions - Soybeans (Directed Post-Emergence)

- Do not feed or graze green soybean vines.
- **Pre-Harvest Interval (PHI):** Do not harvest soybeans or use dry soybean vines for feed or forage within 70 days of last application.
- Do not make application directly to soybeans or serious crop injury will occur.
- Do not allow spray to contact more than the lower ¼ to ⅓ of soybean plants. Soybean leaves contacted by the spray will be killed.
- Do not make application of **Willowood Metribuzin 75DF** post-emergence to sensitive soybean varieties. See the “**Use Precautions - Soybeans**” at the beginning of the “**SOYBEANS**” section of this label.
- Do not apply under weather conditions which favor drift.

Weeds Controlled: Application of **Willowood Metribuzin 75DF** made post-emergence to soybeans as a directed spray according to directions on this label, will control the weeds listed below at rates shown (broadcast basis) when grasses and common ragweed are less than 1 inch tall and other broadleaves are less than 3" tall:

Weeds Controlled	Willowood Metribuzin 75DF (Lbs./Acre)
Beggarweed, Florida (<i>Desmodium tortuosum</i>) Carpetweed (<i>Mollugo verticillata</i>) Cocklebur (<i>Xanthium pensylvanicum</i>) Crabgrass (<i>Digitaria</i> spp.) Dayflower (<i>Commelina</i> spp.) Mexicanweed (<i>Caperonia castanifolia</i>) Pigweeds (<i>Amaranthus</i> spp.) Purslane (<i>Portulaca oleracea</i>) Sicklepod (<i>Cassia obtusifolia</i>) Velvetleaf (<i>Abutilon theophrasti</i>)	1/3
Prickly Sida/Teaweed (<i>Sida spinosa</i>) Sesbania (<i>Sesbania</i> spp.)	1/3 - 2/3
Ragweed, Common (<i>Ambrosia artemisiifolia</i>)	2/3

At the rate of 2/3 lb./acre morningglory species, (*Ipomoea* spp.) horsenettle, (*Solanum* spp.) Florida pusley, (*Richardia scabra*) spotted spurge (*Euphorbia maculata*), and wild poinsettia (*Euphorbia heterophylla*) are suppressed when **Willowood Metribuzin 75DF** is applied before these weeds are 3" tall. The 2/3 lb./acre rate will suppress broadleaf signalgrass (*Brachiaria platyphylla*) up to 1 inch tall.

Willowood Metribuzin 75DF Rates - Soybeans (Directed Post-Emergence)	
States	Willowood Metribuzin 75DF (Lb./Acre)
Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, Missouri, North Carolina, Oklahoma, South Carolina, Tennessee, and Texas	Broadcast Basis 1/3 - 2/3

Make application at proper use rate using 10 to 40 gals. of water per acre as a directed spray in a 6 to 8" band on each side of the row after soybeans are 8" tall and before broadleaf weeds are 3" tall and before grasses and common ragweed are 1 inch tall. For best results, the spray must cover weed foliage with minimum or no contact with soybean foliage. Add a non-ionic surfactant such as Ortho X-77 to the spray mixture to obtain better wetting of weed leaf surfaces. To determine the correct use rate of **Willowood Metribuzin 75DF** for a band application see "**Banded Application**" under the "**PRODUCT INFORMATION**" section in the front of this label.

If necessary, a second post-emergence directed spray application can be made after 7 days.

**BARLEY (SPRING AND WINTER)
AND
WHEAT (WINTER)**

Willowood Metribuzin 75DF may be used for control or suppression of certain grasses and broadleaf weeds when applied post-emergence to spring and winter barley or winter wheat. **Willowood Metribuzin 75DF** alone and several tank-mixture treatments may be used in the following states: AR, GA, ID, IL, IN, KS, KY, LA, MS, MO, MT, NV, OH, OK, OR, TN, TX, UT, VA, and WA.

Mixing: See the “**PRODUCT INFORMATION**” section of this label for specific mixing procedures. When tank-mixing, carefully follow the instructions on this label. See the other product labels registered for use in barley and winter wheat for additional use directions, rates, weeds controlled and restrictions.

Tank-Mixtures: It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

Willowood Metribuzin 75DF may be tank-mixed with Ally, Amber, Finesse, Glean FC, Harmony Extra, 2,4-D, MCPA, Banvel/Banvel SGF, Bronate, or Buctril herbicides. A non-ionic surfactant containing at least 80% active ingredient may be used in **Willowood Metribuzin 75DF** tank-mixes with sulfonyleurea herbicides (Ally, Amber, Finesse, Glean FC and Harmony Extra). Do not use a crop oil concentrate or any adjuvant containing vegetable or petroleum oils with any **Willowood Metribuzin 75DF** mix as crop injury may result. Additional pesticides may also be tank-mixed with **Willowood Metribuzin 75DF** unless specifically prohibited on the mix products' label. In some instances, combinations with organophosphate insecticides may cause temporary leaf yellowing and/or crop injury, especially when widely fluctuating day/night temperatures occur near application. Always refer to the other product labels registered for use on spring and winter barley, and winter wheat for additional directions, rates and weed species controlled. Observe all precautions and limitations on labeling of all products used in mixtures.

Application: Application of **Willowood Metribuzin 75DF** may be made by aerial or ground application equipment. Use a minimum spray volume of 2 gpa by air and 10 gpa by ground. Uniform spray coverage is necessary to obtain optimum weed control and to minimize potential for crop injury. Do not exceed rates specified on this label. Do not make application of **Willowood Metribuzin 75DF** through any type of irrigation equipment. Make application of **Willowood Metribuzin 75DF** when the crop is healthy and actively growing. **Willowood Metribuzin 75DF** may be applied more than once per crop season. Allow a minimum of 21 days between applications if wheat is actively growing or allow 45 days between applications if wheat is growing in adverse conditions, has entered dormancy or is stressed due to frost damage, disease, drought or excessive moisture. Do not use on soils containing less than 0.75% organic matter. Do not apply more than a total of 10.66 oz. **Willowood Metribuzin 75DF** (8 oz. a.i.) per acre per year. On irrigated cereals, do not apply more than 0.5 inch of water for the first irrigation, the maximum amount for each additional irrigation should not exceed 1 inch. Allow a minimum of 14 days between the first irrigation and subsequent irrigations.

Performance Factors: Weed control may not be observed for 2 to 4 weeks under normal growth conditions and for 4 to 6 weeks under very dry conditions. Moisture (at least ½ inch) is required within 2 to 3 weeks after application to move **Willowood Metribuzin 75DF** into the weed root zone. Lack of adequate

moisture after application may result in poor or erratic weed control. Control or suppression of listed weeds is dependent on weed size at time of application. Control or suppression may be reduced if broadleaf weeds are taller than 1 inch or grasses have more than 2 leaves.

Use Precautions - Barley (Spring and Winter) and Wheat (Winter)

- Crop injury may occur if **Willowood Metribuzin 75DF** is applied:
 - When the crop is under stress such as Winter kill, frost damage, disease, drought or excessive moisture, severe grazing, or when these conditions follow the application.
 - In combination with fluid fertilizer especially with the addition of surfactant.
 - Prior to the growth stage specified on this label.
 - To soils high in lime or sodium, a pH greater than 7.7, calcareous, gravelly, thinly covered, or exposed subsoil areas.
 - To fields where seeds have been planted less than 1-inch deep.
 - To a non-winter hardy wheat or barley variety.
 - To a sensitive wheat or barley variety as listed below.
 - To frozen soil or crop still in Winter dormancy.

Feeding Restrictions: Do not graze wheat within 14 days of **Willowood Metribuzin 75DF** application or harvest grain within 21 days after last application. Do not graze or harvest barley before crop maturity. For tank-mix combinations, follow the most restrictive label.

Spring and Winter Barley and Winter Wheat Rotations Following Potatoes Treated with Willowood Metribuzin 75DF: If planting a sensitive variety (listed under the wheat and barley variety tolerance portion of this label), following potatoes treated with **Willowood Metribuzin 75DF** or metribuzin containing products, see the potato section of the **Willowood Metribuzin 75DF** label for special cultural practices to follow.

Application Directions: **Willowood Metribuzin 75DF** alone or in a tank-mix with labeled broadleaf herbicides may be applied by aerial or ground spray equipment as a broadcast post-emergence spray.

Broadcast Rates

Post-Emergence Applications

Soil Texture	Crop Growth Stage	Willowood Metribuzin 75DF (Oz./Acre)	
		Organic Matter	
		0.75 - 2.0%	Over 2.0%
Coarse Soils	2 Leaf to 2 Tiller	1 - 2	1 - 3
Medium Soils		1 - 3	2 - 3
Fine Soils		2 - 3	2 - 4

Use these rates on crops with secondary roots smaller than 1 inch. For dryland winter wheat (non-irrigated), apply the highest specified rate to achieve maximum weed suppression/control.

Coarse Soils	3 Tiller to 4 Tiller	3 - 4	4 - 5
Medium Soils		4 - 5	5 - 6
Fine Soils		5 - 6	5 - 6

Use these rates on crops with secondary roots smaller than 1 inch. For dryland winter wheat (non-irrigated), apply the highest specified rate to achieve maximum weed suppression/control.

Coarse Soils	Over 4 Tillers	4 - 6	5 - 8
Medium Soils		4 - 8	5 - 8
Fine Soils		5 - 8	8 - 10 $\frac{2}{3}$

Do not make application within 2 weeks after grazing or breaking of Winter dormancy. Make application after the crop is at or beyond the 3 tiller growth stage but before jointing. Secondary roots should be developed and larger than 1 inch long. Do not apply before 75 days after planting.

For dryland winter wheat (non-irrigated), apply the highest specified rate to achieve maximum weed suppression/control.

GEORGIA ONLY: Wheat must be planted before November 15th in the Piedmont area and Northern part of the state, and before December 1st in the Coastal Plain area.

WHEAT AND BARLEY VARIETAL TOLERANCE*

Wheat and barley varieties vary in their tolerance to **Willowood Metribuzin 75DF**. Varieties below are tolerant to and are recommended for use with **Willowood Metribuzin 75DF**:

- **Winter Wheat:** Abe, AgriPro Mason, AgriPro Shiloh, Arthur, AS 7846, AS 7853, Baker Seed 32, Barbie VI, Basin, Batum, Bayles, Becker, Bintee V, Buchshot DS 2368, Caldwell, Cardinal, Cashup, Centurk, Cherokee, Cheyenne, Clark, Coker 747, Coker 762, Coker 797, Coker 68-15, Coker 9134, Coker 9543, Coker 9904, Coker 9907, Daws, DB 533W, DB 562W, DB 580W, Delta King 502, Delta King 9027, Dixie 952, Doublecrop, Dusty, Dyna-gro 426, Dynasty, Excel, Faro, FFR 525W, Florida 302, FS 432, FS 433, FS 435, Gains, Garst 64, Georgia 100, Genie V, Hatton, Hawk, Hill 81, Howell, Hunter, Hyak, Hyslop, Katie VI, KY 16-2, Larned, Lewis 833, Lewjain, Lisa, Longhorn, Luke, Madson, Magnum, Malcom, McDermid, McNair 1003, McNair 1813, Molly, Moro, Neely, Nelson, Newton, Norstar, Norwin, Nugaines, Oasis, Omega 78, Paha, Peck, Pike, PI 2157, PI 2180, PI 2510, PI 2545, PI 2548, PI 2550, PI 2552, PI 2555, PI 2566, PI 2571, PI 2580, PI 2684, Quantum 577, Redwin, Rocky, Saluda, Sawyer, SC 104, Siouxsland, Sprague, Southern Belle, Stacy, Stallion, Stephens, TAM W101, TAM 105, TE 877, TE 2548, TE SR204, Tiber, Tomahawk, TR 8555, TR 8557, TR 8768, Traveler, Tres, Tyee, Tyler, Verne, Victory, Wakefield, Wanser, Weston, Winalta, and Wrangler.
- **Barley:** Advance, Boyer, Clark, Compana, Hannchen, Hector, Hesk, Hudson, Lud, Luther, Kamiak, Klages, Olympic, Piroline, Steptoe, and Triumph.

The following cereal varieties are sensitive to **Willowood Metribuzin 75DF** and are not recommended for use:

- **Winter Wheat:** AgriPro Clemens, AT 90W, AT 91W, Arapaho, Baker Seed 33, Century, Cimarron, Coker 833, Coker 916, Coker 983, Coker 9024, Coker 9105, Coker 9323, Coker 9474, Coker 9663, Coker 9835, Coker Coker 9766, Coker 9877, EK 102, EK 114, FFR 555, Florida 304, Freedom, FS 417, FS 423, FS 425, FS 430, Gore, Hazen, Hickory, Jackson, Julie III, KY 49 25, Linden, Madison, Mesa, Mustang, Pacer, PI XW 522, PI 2551, PI 2163, Pioneer 2691, Princeton 733, PSR W71, PSR 226, PSR 278, Rosen, Savannah, Sierra, TAM 107, TR 101, TR 1011, TR 8822, Triumph 64, Vona, Wings, Winridge, and Yamhill.
- **Spring/Durum Wheat:** Do not use on Spring wheat and Durum wheat varieties.
- **Barley:** Glenn, Morex, Moravian 3, Larker, Summit, Bracken, Anheuser Busch B2601, and varieties with Morex parentage.
- **Varieties Not Listed:** To avoid possible crop injury on any variety not mentioned in this label, contact a Willowood, LLC representative or herbicide expert for a variety recommendation before treatment or treat a small strip of the unlisted variety with the labeled **Willowood Metribuzin 75DF** rate to ascertain crop tolerance before treating an entire field.

*Vendor names are abbreviated: AS (Agseco), AT (Agratech), DB (Diener Bros.), FS (Growmark FS), PI (Pioneer), PSR (Hybritech), SC (J.M. Schultz), TE (Terra), and TR (Terral).

Weeds Controlled - Barley (Spring and Winter) and Wheat (Winter)

Used at specified rates, **Willowood Metribuzin 75DF** will control the broadleaf weeds listed below. Control is best when applied to young, actively growing weeds.

Bittercress	Evening Primrose, Cutleaf	Knotweed, Prostrate	Pigweed, spp.
Catchfly Conical (Sand)	Falseflax, Smallseed	Lambsquarters, Common	Pineappleweed
Catchweed (Madwort)	Fiddleneck, Tarweed	Lettuce, Miners	Polemonium, Annual
Chickweed, Common	Filaree, Redstem	Mustard, Blue	(Jacob's Ladder)
Chickweed, Mouseear	Geranium, Carolina	Mustard, Wild	Radish, Wild
Corncockle	Gromwell spp.	Pennycress, Field	Shepherd's Purse
Dogfennel (Mayweed)	Henbit	Pepperweed, Virginia	Speedwell, Ivyleaf
			Turnip, Wild

Weeds Controlled - Barley (Spring and Winter) and Wheat (Winter) – Virginia Only

In the state of Virginia, **Willowood Metribuzin 75DF** may be used for control of ALS-Resistant Chickweed (common and mouseear) in a post-emergence application to winter barley or winter wheat. **Willowood Metribuzin 75DF** may be applied alone or in tank mixture (see application information above). For optimal control, make application when weeds are less than or equal to 4 inches in height.

Broadcast Rates

Post-Emergence Applications

Soil Texture	Crop Growth Stage	Willowood Metribuzin 75DF (Oz./Acre)	
		Organic Matter	
		0.75 - 2.0%	Over 2.0%
Coarse Soils	2 Leaf to 2 Tiller	1 - 2	1 - 3
Medium Soils		1 - 3	2 - 3
Fine Soils		2 - 3	2 - 4

Use these rates on crops with secondary roots smaller than 1 inch. For dryland winter wheat (non-irrigated), apply the highest specified rate to achieve maximum weed suppression/control.

Coarse Soils	3 Tiller to 4 Tiller	3 - 4	4
Medium Soils		4 - 5	4 - suppression
Fine Soils		4 - suppression	4 - suppression

Use these rates on crops with secondary roots smaller than 1 inch. For dryland winter wheat (non-irrigated), apply the highest specified rate to achieve maximum weed suppression/control. Do not make application within 2 weeks after grazing or breaking of Winter dormancy. Make application after the crop is at or beyond the 3 tiller growth stage but before jointing. Do not apply before 75 days after planting.

Weeds Suppressed - Barley (Spring and Winter) and Wheat (Winter)

Willowood Metribuzin 75DF control of the following weeds varies from poor to excellent depending on time of treatment, stage of growth at application, temperatures and soil moisture conditions following treatment. For maximum effect on these weeds, apply the highest labeled use rate at the earliest growth stage timing for each particular soil type and organic matter. Suppression is defined as a reduction in weed size and growth as compared to a non-treated area in the same field.

Broadleaves	
Buckwheat, Wild* Buttercup, spp. Cowcockle Kochia* Lettuce, Prickly	Mustard, Tansy Mustard, Tumble (Jim Hill)* Thistle, Russian Vetch, Winter
Grasses	
Barley, Hare (Wild) Barley, Little Blackgrass Bluegrass, Annual Bluegrass, Bulbous Brome, Downy* Brome, Japanese*	Brome, Ripgut* Cheat* Foxtail, spp.* Oat, Wild* Rescuegrass* Whitlowgrass, Spring (Vernal) Windgrass
*Use the highest labeled Willowood Metribuzin 75DF rate for maximum weed suppression.	

FOR WEED CONTROL IN A WHEAT/FALLOW/WHEAT ROTATION (Idaho, Oregon, Utah, and Washington Only)

Application of **Willowood Metribuzin 75DF** may be made to provide weed control during the fallow period after wheat harvest or in the Spring before winter wheat is planted. Winter wheat can be seeded 4 months (120 days) after Spring application. Mechanical tillage or the application of a contact herbicide may be required to control weeds germinating before seeding of winter wheat. Best results will be obtained where straw and chaff are evenly distributed across the field.

For specific application information, see the “**PRODUCT INFORMATION**” section in the front of this label.

Where weed growth is present at application time, **Willowood Metribuzin 75DF** should be applied with Gramoxone or other contact herbicide.

After Harvest Application (Fall Fallow): Application of **Willowood Metribuzin 75DF** may be made to wheat stubble after harvest in the Fall. Make application at $\frac{2}{3}$ to $\frac{5}{8}$ lb. per acre broadcast before weeds emerge. Use higher rate for longer weed control or for weeds designated as requiring the higher rate for control. Rainfall ($\frac{1}{2}$ inch or more) is necessary for herbicide activation.

Application of **Willowood Metribuzin 75DF** may be made at $\frac{2}{3}$ to $\frac{5}{8}$ lb. per acre as directed above for a Fall application. If other vegetation is present at the time of application use a contact herbicide.

Spring Application (Summer Fallow): Application of **Willowood Metribuzin 75DF** may be made to wheat

stubble in the Spring. Make application at ½ to ¾ lb. per acre broadcast before weeds emerge in the Spring. Use higher rate for longer weed control or weeds designated as requiring higher rate for control. Rainfall (½ inch or more) is necessary for herbicide activation.

Use Restrictions - Wheat/Fallow/Wheat Rotation

- Do not plant crops in treated areas for at least 10 months following Fall applications.
- Do not graze treated fields.
- Do not plant Spring seeded cereals following Fall fallow applications of **Willowood Metribuzin 75DF**.
- Where **Willowood Metribuzin 75DF** was applied in the Fall, do not make application of **Willowood Metribuzin 75DF** in the Spring.

See the other product label registered for additional directions, rates, and weed species controlled.

Weeds Controlled - Wheat/Fallow/Wheat Rotation

Broadleaves	
Chickweed, Common (<i>Stellaria media</i>) Henbit (<i>Lamium amplexicaule</i>) Kochia* (<i>Kochia scoparia</i>) Lambsquarters (<i>Chenopodium album</i>) Mustard, Blue or Purple (<i>Chorispora tenella</i>) Mustard, Jim Hill (<i>Sisymbrium altissimum</i>) Mustard, Tansy (<i>Descurainia pinnata</i>)	Mustard, Treacle (<i>Erysimum repandum</i>) Mustard, Wild (<i>Brassica kaber</i>) Pennycress, Field (Fanweed) (<i>Thlaspi arvense</i>) Pigweeds (<i>Amaranthus</i> spp.) Russian Thistle* (<i>Salsola iberica</i>) Sunflower, Wild* (<i>Helianthus</i> spp.)
Grasses	
Cheatgrass (<i>Bromus secalinus</i>) Brome, Downy (<i>Bromus tectorum</i>)	Wheat, Volunteer* (<i>Triticum</i> spp.)
*Since control of these weeds may be variable depending on moisture following application, the higher label rate should be used.	

FOR WEED CONTROL IN A FALLOW ROTATION WITH BARLEY AND WHEAT (Colorado, Kansas, Montana, Nebraska, and Wyoming Only)

Application of **Willowood Metribuzin 75DF** may be made to provide weed control during the fallow period after wheat or barley harvest or in the Spring before planting of Winter wheat or barley. Mechanical tillage or the application of a contact herbicide may be required to control weeds germinating before seeding of Winter wheat or barley.

For specific application information, see the “**PRODUCT INFORMATION**” section in the front of this label. Where weed growth is present at application time, **Willowood Metribuzin 75DF** should be applied with Gramoxone, Roundup, or other contact herbicide.

After Harvest Application (Fall Fallow): Application of **Willowood Metribuzin 75DF** may be made to the stubble after harvest in the Fall. Make application at $\frac{1}{2}$ to 1 lb. per acre broadcast before weeds emerge. Use higher rate for longer weed control or for weeds designated as requiring the higher rate for control. Rainfall ($\frac{1}{2}$ inch or more) is necessary for herbicide activation.

Spring Application (Summer Fallow): Application of **Willowood Metribuzin 75DF** may be made to the stubble in the Spring. Make application at $\frac{1}{2}$ to $\frac{3}{8}$ lb. per acre broadcast before weeds emerge in the Spring. Use higher rate for longer weed control or weeds designated as requiring higher rate for control. Rainfall ($\frac{1}{2}$ inch or more) is necessary for herbicide activation. Wheat or barley can be seeded 120 days after Spring application.

Use Restrictions - Fallow Rotation with Barley and Wheat

- Do not plant crops in treated areas earlier than 10 months following Fall applications.
- Do not graze treated fields.
- Do not plant Spring seeded barley following Fall applications for fallow.
- Where **Willowood Metribuzin 75DF** was applied in the Fall, do not make application of **Willowood Metribuzin 75DF** in the Spring.

See the other product label registered for additional directions, rates, and weed species controlled.

Weeds Controlled - Fallow Rotation with Barley and Wheat

Broadleaves	
Chickweed, Common (<i>Stellaria media</i>) Cowcockle (<i>Vaccaria pyramidata</i>) Henbit (<i>Lamium amplexicaule</i>) Kochia* (<i>Kochia scoparia</i>) Lambsquarters (<i>Chenopodium album</i>) Mustard, Blue or Purple (<i>Chorispora tenella</i>) Mustard, Jim Hill (<i>Sisymbrium altissimum</i>)	Mustard, Tansy (<i>Descurainia pinnata</i>) Mustard, Treacle (<i>Erysimum repandum</i>) Mustard, Wild (<i>Brassica kaber</i>) Pennycress, Field (Fanweed) (<i>Thlaspi arvense</i>) Pigweeds (<i>Amaranthus</i> spp.) Russian Thistle (<i>Salsola iberica</i>) Sunflower (<i>Helianthus</i> spp.)
Grasses	
Cheatgrass (<i>Bromus secalinus</i>) Brome, Downy (<i>Bromus tectorum</i>) Foxtail, Green* (<i>Setaria viridis</i>)	Oats, Wild* (<i>Avena fatua</i>) Wheat, Volunteer* (<i>Triticum</i> spp.)
*Since control of these weeds may be variable depending on moisture following application, the higher label rate should be used.	

SUGARCANE (Florida Only)

Post-emergence over-the-top or directed spray applications of **Willowood Metribuzin 75DF** may be used for the control of the following weeds in sugarcane in Florida:

Broadleaves	
Amaranth, Spiny (Seedling) (<i>Amaranthus spinosus</i>) Butterweed (Cressleaf Groundsel) (<i>Senecio glabellus</i>)	Cudweed (<i>Gnaphalium</i> spp.) Purslane (<i>Portulaca oleracea</i>)
Grasses	
Crabgrass, Large (<i>Digitaria sanguinalis</i>) Foxtail, Bristlegrass (<i>Setaria magna</i>) Goosegrass (<i>Eleusine indica</i>)	Panicum, Broadleaf (<i>Panicum adspersum</i>) Signalgrass, Broadleaf (<i>Brachiaria platyphylla</i>)

Willowood Metribuzin 75DF plus Atrazine Tank-Mix: Willowood Metribuzin 75DF may be used with atrazine as a pre-emergence or post-emergence (before row closing) application to sugarcane. Rates for **Willowood Metribuzin 75DF** are 1 to 2 $\frac{3}{8}$ lbs./acre. Consult the atrazine product label for use rates. For additional information on precautions, instructions, limitations, application, and weeds controlled, see this label and the atrazine label.

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

Use Precautions - Sugarcane (Florida Only)

- Spray contact with sugarcane foliage may result in minor leaf margin chlorosis and/or necrosis.
- Avoid spray overlaps or variations in application speed that may result in insufficient or excessive rates of application.

Use Restrictions - Sugarcane (Florida Only)

- **Pre-Harvest Interval (PHI):** Do not make application within 60 days of harvest.
- Do not use treated crop for feed or forage.
- Do not use more than 2 $\frac{3}{8}$ lbs. per acre in a single growing season.
- Do not use on sand soils.

Applications - Sugarcane (Florida Only)

Willowood Metribuzin 75DF (Lbs./Acre)	Directions
1 $\frac{1}{3}$ - 2 $\frac{2}{3}$	<p>Ground Application: Willowood Metribuzin 75DF may be used in one or two applications with a minimum of 14 days between each application. Make application when weeds are less than 6" tall in 10 - 40 gals. of spray mixture per acre.</p> <p>Post-Emergence Broadcast or Band: Make application over the top of stubble or plant cane while sugarcane is less than 14" tall.</p> <p>Post-Emergence Directed Spray: Make application to sugarcane that is a minimum of 14" tall and before row closing.</p>
1 $\frac{1}{3}$ - 2	<p>Aerial Application: Make application when weeds are less than 4" tall in 5 - 10 gals. of spray mixture per acre. Make application to stubble or plant cane while the sugarcane is less than 14" tall.</p>

SPECIMEN

SUGARCANE
(Louisiana and Texas Only)

Pre-emergence and post-emergence applications of **Willowood Metribuzin 75DF** with aerial or ground spray equipment may be used for control of the following weeds in sugarcane in Louisiana and Texas:

Broadleaves	
Amaranth, Spiny (<i>Amaranthus spinosus</i>) Bindweed, Field (<i>Convolvulus arvensis</i>) Chickweed (<i>Cerastium vulgatum</i>) Henbit (<i>Lamium amplexicaule</i>) Lambsquarters (<i>Chenopodium album</i>) London Rocket (<i>Sisymbrium irio</i>)	Marestail (<i>Conyza canadensis</i>) Mustard, Wild (<i>Brassica kaber</i>) Pigweeds (<i>Amaranthus</i> spp.) Purslane (<i>Portulaca oleracea</i>) Sowthistle (<i>Sonchus</i> spp.)
Grasses	
Crabgrass (<i>Digitaria sanguinalis</i>) Foxtails (<i>Setaria</i> spp.) Johnsongrass, Seedling (<i>Sorghum halepense</i>)	Oats, Winter (<i>Avena</i> spp.) Signalgrass, Broadleaf (<i>Brachiaria platyphylla</i>)

Use Precautions - Sugarcane (Louisiana and Texas Only)

- Use the higher rate on heavy clay soil and soil with a high percentage of organic matter.
- If necessary, a third application may be made in late Spring at layby.

Use Restrictions - Sugarcane (Louisiana and Texas Only)

- **Pre-Harvest Interval (PHI):** Do not make application within 60 days of harvest.
- Do not use treated foliage for feed or forage.

Applications - Sugarcane (Louisiana and Texas Only)	
Willowood Metribuzin 75DF (Lbs./Acre)	Directions
2 - 4	Broadcast: Make application at specified use rate per acre using 20 - 30 gals. of water with ground equipment or 5 gals. of water with aircraft spray equipment. Make application as a broadcast spray during the Fall after planting or to the stubble after harvest. Make a second application early in the Spring.
1 - 2	Band: Make application at specified use rate in 10 - 20 gals. of water per acre in a 30 - 36" band over-the-row during the Fall after planting or to the stubble after harvest. Make a second application early in the Spring.

SUGARCANE (Hawaii Only)

Willowood Metribuzin 75DF, a selective herbicide, is effective as a pre-emergence and an early post-emergence broadcast application for control of certain grass and broadleaf weeds. When applied as a spot treatment, it also provides excellent control of perennial grasses and broadleaves.

Ground Application: Willowood Metribuzin 75DF should be mixed by filling the spray tank half full of clean water. Then add the specified amount of **Willowood Metribuzin 75DF** to suit the total tank capacity and the rate of application per acre (preferably 25 - 35 gals. per acre). Complete filling the tank and maintain sufficient agitation during mixing and spraying to ensure a uniform spray mixture.

Aerial Application: Willowood Metribuzin 75DF may be used in aerial spray equipment as a pre-emergence or post-emergence application to irrigated sugarcane. Calibrate aerial spray equipment to apply the proper amount of **Willowood Metribuzin 75DF** in 5 - 10 gals. of spray mixture per acre.

For aerial and chemigation application on sugarcane, the maximum application rate is 2 ½ lbs. **Willowood Metribuzin 75DF**/acre.

To assure that spray will not adversely affect adjacent sensitive non-target plants, make application of this product by aircraft at a minimum upwind distance of 400 ft. from sensitive plants.

Willowood Metribuzin 75DF applied pre-emergence or post-emergence to the sugarcane as a broadcast spray or spot treatment will effectively control the following when weeds are less than 3" in height.

Use Restrictions - Sugarcane (Hawaii Only)

- Do not make application of more than 10 ¾ lbs. of **Willowood Metribuzin 75DF** (8 lbs. a.i.)/acre per crop cycle regardless of the method of application.
- **Pre-Harvest Interval (PHI):** The last application may be made up to 17 months of harvest.
- Do not use treated foliage for feed or forage.

Weeds Controlled - Sugarcane (Hawaii Only) - Irrigated & Non-Irrigated

Broadleaves	
Amaranth, Spiny (<i>Amaranthus spinosus</i>) Euphorbia, Wild (<i>Euphorbia</i> spp.) Fireweed (<i>Erechtites hieraciifolius</i>)	Floras Paintbrush (<i>Emilia sonchifolia</i>) Spurge, Garden (<i>Euphorbia hirta</i>) Spurge, Graceful (<i>Euphorbia glomerifera</i>)
Grasses	
Crabgrass (<i>Digitaria</i> spp.) Guineagrass (<i>Panicum maximum</i>) Plushgrass (<i>Chloris radiata</i>)	Ricegrass (<i>Oryzopsis hymenoides</i>) Wiregrass (<i>Eleusine indica</i>)

Weeds Controlled - Sugarcane (Hawaii Only) - Irrigated

Broadleaves	
Amaranth, Spleen (<i>Amaranthus dubius</i>) Haole Koa (<i>Leucaena leucocephala</i>) Hialoa (<i>Leucaena leucocephala</i>)	Hilahlila (<i>Mimosa pudica</i>) Purslane, Common (<i>Portulaca oleracea</i>) Rattlepod (<i>Crotalaria spectabilis</i>)
Grasses	
Alexandergrass (<i>Brachiaria plantaginea</i>)	Foxtail, Bristly (<i>Setaria verticillata</i>)

Weeds Controlled - Sugarcane (Hawaii Only) - Non-Irrigated

Broadleaves	
Ageratum (<i>Ageratum conyzoides</i>) Richardia (<i>Richardia brasiliensis</i>)	Tarweed (<i>Cuphea carthagenensis</i>)

Broadcast Applications - Sugarcane (Hawaii Only)

Willowood Metribuzin 75DF (Lbs./Acre)	Directions
Non-Irrigated 2 $\frac{2}{3}$ - 5 $\frac{1}{3}$	Pre-Emergence (Irrigated and Non-Irrigated Sugarcane): Make application at specified use rate per acre as a broadcast spray to the soil surface. Applications should be made within 2 weeks after planting prior to cane emergence or shortly after emergence (spike stage). -OR-
Irrigated 5 $\frac{1}{3}$ - 8	Early Post-Emergence (Irrigated and Non-Irrigated Sugarcane): Make application at specified use rate per acre as a broadcast spray over the cane. Application may be delayed as long as 4 to 6 weeks after planting provided weeds are less than 3" in height.
2 $\frac{2}{3}$ - 5 $\frac{1}{3}$	-OR- Post-Emergence: Make application at specified use rate per acre as a broadcast spray to control weeds prior to "close in" time when cane shades out the weed growth.
3 $\frac{1}{3}$ - 6 $\frac{2}{3}$	Spot Treatment: Make application at specified use rate in 30 - 50 gals. of finished spray per acre. Spot treatments may be used to control weeds in missed areas, corners of fields, or areas of hard-to-control weeds.

SWEET CORN

PRE-PLANT AND PRE-EMERGENCE APPLICATIONS

(Illinois, Indiana, Iowa, Kansas, Kentucky, Michigan, Minnesota, Missouri, Nebraska, Ohio, South Dakota, and Wisconsin)

Willowood Metribuzin 75DF may be used for additional residual weed control of certain broadleaf weed species, when applied in combination with other broadleaf and/or grass herbicides as a tank mixture. All products used must be labeled for use on sweet corn. The most restrictive restrictions and precautions of all the products used must be observed. Use only labeled rates and methods of applications.

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

Tank-Mixtures: Willowood Metribuzin 75DF can be tank-mixed with the products containing one or more of the following herbicides:

2,4-D Alachlor Atrazine	Glyphosate Linuron	Metolachlor Metribuzin	Paraquat Pendimethalin
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Weeds Controlled: See the **Pre-Plant and Pre-Emergence Application – Field Corn** section of this label for a list of weeds controlled by **Willowood Metribuzin 75DF** when applied before weed emergence. Use recommended adjuvants when emerged weeds are present. See the **Burndown Weed Control – Field Corn** section for a list of weeds controlled and weed height restrictions.

Use Precautions - Sweet Corn

- Corn seed should be planted a minimum of 1 ½" deep.
- **Willowood Metribuzin 75DF** may only be used in hybrid seed production fields, if both inbred parents are known to be tolerant to **Willowood Metribuzin 75DF**.
- Reduced residual weed control may result when used on organic soils. For this reason, residual weed control is not claimed on organic soils.

Use Restrictions - Sweet Corn

- Do not make application of more than a total of 5 ⅓ oz. **Willowood Metribuzin 75DF** (0.25 lb. metribuzin) per acre per growing season.
- Do not apply pre-plant or pre-emergence on soils having a pH 7.0 or greater.

Feeding Restriction: Grain, forage, and processing waste may be fed to livestock if harvested at least 60 days after the last application of **Willowood Metribuzin 75DF**.

Sequential Applications: Sequential applications of all herbicides containing metribuzin (the active ingredient in **Willowood Metribuzin 75DF**) are subject to a limitation of not more than 0.25 lb. a.i. of metribuzin (5 ⅓ oz. of **Willowood Metribuzin 75DF**) per acre of corn per use season. There are no other specific restrictions on sequential applications due to the application of **Willowood Metribuzin 75DF**.

Sensitive Sweet Corn Hybrids: Make applications only to hybrids that have established tolerance to the application planned.

Application Methods and Timing: Willowood Metribuzin 75DF can be applied pre-plant surface or pre-emergence as a broadcast or band application in water, fluid fertilizer, or impregnated on dry fertilizer. Ground or aerial equipment may be used. See **DIRECTIONS FOR USE** section of this label for directions.

Application Rates: See the “**PRODUCT INFORMATION**” section of this label for definitions of “**Soil Types**” and other information that applies to all applications. Use the lowest rate of the rate range on soils with the lowest percent clay and organic matter for the group and progressively higher rate for increased clay and organic matter content. The clay content is at least twice as important as organic matter when adjusting rates. Rates will vary based on local conditions.

Applications		
Soil Texture	Organic Matter	
	1.5 - 2.9%	3.0% or More
ALL SAND SOILS	DO NOT USE	
Coarse Soils	1.6 - 2.4 oz./A	2.5 - 2.8 oz./A
Medium Soils	3 - 3.3 oz./A	3.2 - 3.7 oz./A
Fine Soils	3.6 - 4.0 oz./A	3.6 - 4.4 oz./A

For early pre-plant application, more than 9 days before planting and fields with at least 30% crop residue on the soil surface at treatment, the application rate may be increased 1 oz./acre, but not to exceed 5 1/3 oz./acre.

For band applications, use proportional less per planted acre.

TOMATOES

Make application of **Willowood Metribuzin 75DF** with ground equipment to seeded and transplanted tomatoes as specified below under “**Directions**”.

For effective control of grasses and broadleaf weeds with post-emergence applications, apply treatment of **Willowood Metribuzin 75DF** before weeds are 1-inch tall. Thorough spray coverage on weed foliage is essential for adequate control with post-emergence applications.

See the appropriate section of this label for additional information regarding spray equipment, dilution rates, mixing, sprayer clean-up, restrictions, container disposal, and cautions.

For specific application information, see the “**PRODUCT INFORMATION**” section in the front of this label.

Use Precautions - Tomatoes

- Crop injury or delayed maturity may result from broadcast or directed spray applications if tomatoes are growing under stress conditions such as periods of drought or cool, wet and cloudy weather preceding application.
- For newly introduced tomato varieties with unknown tolerance to **Willowood Metribuzin 75DF**, treat only a small area to determine if **Willowood Metribuzin 75DF** can be used without injury to the crop.

Use Restrictions - Tomatoes

- Aerial application is prohibited.
- Allow at least 14 days between applications, regardless of use rate or method of application or severe crop injury may occur.
- Do not use air blast or other high pressure spray equipment to make post-emergence applications of **Willowood Metribuzin 75DF**.
- Do not make application of more than a total of 1 ½ lbs. **Willowood Metribuzin 75DF** per crop season.
- Do not apply the total amount of 1 ½ lbs. **Willowood Metribuzin 75DF** within a time span of less than 35 days, except in the case of directed sprays.
- **Pre-Harvest Interval (PHI)**: Do not make application within 7 days of harvest.
- Do not make application within 3 days after periods of cool, wet or cloudy weather, or crop injury will occur.
- Do not use hot caps on tomatoes within 7 days before or at any time after application of **Willowood Metribuzin 75DF**.
- Do not treat seeded tomatoes until plants have reached the 5- to 6-leaf stage or severe crop injury may occur.
- **DO NOT USE WILLOWOOD METRIBUZIN 75DF ON TOMATOES IN KERN COUNTY, CALIFORNIA.**

Weeds Controlled – Chemical Fallow Application on Fields to be planted with tomatoes (California only)

Make application of **Willowood Metribuzin 75DF** as a chemical fallow ground treatment to fields that will be planted to tomatoes.

Ground Application	
Broadleaves	Willowood Metribuzin 75DF (Lb./Acre)
Chickweed, Common Lambsquarters London Rocket Mustard, Wild Pigweed, Redroot Purslane, Common Shepherd's Purse	¾ - 1

One fallow treatment may be made up to 90 day before planting. Make application at ¾ - 1 lb./acre by ground equipment in a minimum of 10 gallons water/acre. A minimum of 2 inches of rain or irrigation are needed between treatment and planting. Additional cultivation may be necessary for seed bed preparation and weed control before planting. Use the lower rate in the range for soils with 0.5 to 2% organic matter and higher rates in the range for soils that have greater than 2% organic matter.

Precautions:

- Avoid leveling, land planning, etc. between application and planting because concentrating treated soil may cause crop injury.
- Applications should not be made when weather conditions favor spray drift especially in areas where sensitive crops are growing in adjacent fields, or injury may occur. Light soils, alkaline soils or water, soil high in soluble salts, cold germination and/or growing conditions and interaction with other herbicides may harm tomatoes and require lower rates or longer pre-plant intervals.
- Apply with properly calibrated equipment for uniform coverage of soil. Spray booms must be shut off while starting, turning, slowing or stopping, or crop injury may result. Do not overlap spray applications. Continuous agitation is required in the spray tank to keep material in suspension.

Restrictions:

- Do not make application of more than ¾ lb. **Willowood Metribuzin 75DF** as a broadcast or directed spray on established tomatoes after an application of **Willowood Metribuzin 75DF** as a fallow spray.
- **DO NOT USE Willowood Metribuzin 75DF ON TOMATOES IN KERN COUNTY, CALIFORNIA.**

Weeds Controlled - Pre-Plant Incorporated Applications - *Transplant* Tomatoes Only

Broadcast Spray	
Broadleaves	Willowood Metribuzin 75DF (Lb./Acre)
Galinsoga (<i>Galinsoga</i> spp.) Lambsquarters (<i>Chenopodium album</i>) Pigweed, Redroot* (<i>Amaranthus retroflexus</i>) Purslane, Common* (<i>Portulaca oleracea</i>)	1/3 - 2/3
Grasses	
Goosegrass* (<i>Eleusine indica</i>)	
<p>Pre-Plant Incorporated Applications: Applied as directed will suppress foxtails, panicums, and barnyardgrass.</p> <p>Willowood Metribuzin 75DF/Trifluralin Tank-Mix: This tank-mix combination applied pre-plant incorporated as directed on this label will control the weeds listed above plus those weeds listed on the trifluralin label.</p> <p>Post-Emergence Applications: Applied as directed on this label will suppress barnyardgrass and crabgrass when these weeds are less than 1-inch tall.</p> <p>*For optimum control of these weeds, use the highest rate specified on the label for the type of application to be made. Repeat post-emergence applications may be needed for best control.</p>	

Weeds Controlled - Post-Emergence Applications - Established Tomatoes

For effective control of weeds with post-emergence applications, make application of **Willowood Metribuzin 75DF** before weeds are 1-inch tall.

Broadcast Spray	
Broadleaves	Willowood Metribuzin 75DF (Lb./Acre)
<i>Carpetweed (Mollugo verticillata)</i> <i>Fumitory (Fumaria officinalis)</i> <i>Galinsoga (Galinsoga spp.)</i> <i>Jimsonweed* (Datura stramonium)</i> <i>Ladysthumb* (Polygonum persicaria)</i> <i>Lambsquarters (Chenopodium album)</i> <i>Mustard, Wild (Brassica kaber)</i> <i>Pigweed (Amaranthus spp.)</i> <i>Purslane (Portulaca oleracea)</i> <i>Ragweed, Common* (Ambrosia artemisiifolia)</i> <i>Smartweed, Pennsylvania* (Polygonum pensylvanicum)</i> <i>Toadflax (Linaria spp.)</i> <i>Velvetleaf* (Abutilon theophrasti)</i>	$\frac{1}{3} - \frac{2}{3}$
Directed Spray	
Grasses	Willowood Metribuzin 75DF (Lbs./Acre)
<i>Foxtail, Yellow* (Setaria glauca)</i> <i>Goosegrass* (Eleusine indica)</i> <i>Including Weeds listed under the above 'Broadcast Spray'.</i>	$\frac{2}{3} - 1 \frac{1}{3}$
Post-Emergence Applications: Applied as directed on this label will suppress barnyardgrass and crabgrass when these weeds are less than 1-inch tall.	
*For optimum control of these weeds, use the highest use rate specified on the label for the type of application to be made. Repeat post-emergence applications may be needed for best control.	

Broadcast Applications - Tomatoes

Willowood Metribuzin 75DF (Lbs./Acre)*	Directions
$\frac{1}{3}$ - $\frac{2}{3}$	<p>Pre-Plant Incorporated - <i>Transplant Tomatoes Only</i>: Make application at specified use rate in 10 or more gals. of water per acre as a broadcast spray to the soil surface immediately before transplanting. Incorporate to a depth of 2 to 4" with equipment capable of uniformly mixing the chemical into the soil. This application may be made alone or in a tank-mix combination with trifluralin. When transplanting tomatoes, place the root system of the plants below the herbicide incorporation zone or injury may result. See the trifluralin label for specific rate of application and for additional precautions and restrictions for tomatoes.</p>
$\frac{1}{3}$ - $\frac{2}{3}$	<p>Post-Emergence Broadcast Spray - <i>Established Tomatoes</i>: Make application at specified use rate in 20 or more gals. of water per acre as a broadcast spray, or make application in $\frac{1}{4}$ to $\frac{3}{4}$ inch of water (use $\frac{1}{4}$ to $\frac{1}{2}$ inch of water on sandy soils) per acre as a continuous injection in center pivot and lateral move systems or make application in the last 15 to 30 minutes of set in permanent solid set sprinkler systems. One or more applications may be applied per use season. Allow at least 14 days between applications or severe crop injury may result. For transplanted tomatoes, do not make application until transplants have recovered from transplant shock and new growth is evident. Do not make application to tomatoes within 24 hours of application of other pesticides. Do not tank-mix with other pesticides. See additional Use Precautions & Restrictions above.</p>
$\frac{2}{3}$ - 1 $\frac{1}{3}$	<p>Post-Emergence Directed Spray - <i>Established Tomatoes</i>: Make application at specified use rate in 20 or more gals. of water per acre as a directed spray. One or more applications may be applied per use season. Allow at least 14 days between applications or severe crop injury may result. Avoid contacting tomato foliage with spray. This method of treatment should be used for use in fields with a history of severe weed pressure or in fields infested with hard-to-control weeds. For transplanted tomatoes, do not make application until transplants have recovered from transplant shock and new growth is evident. Do not make application to tomatoes within 24 hours of application of other pesticides. When banding, see the appropriate section in the front of this label. See additional Use Precautions & Restrictions above.</p>
<p>*Use the higher use rate in fields with a history of severe weed pressure and for maximum residual weed control.</p>	

**DIRECTIONS FOR USE ON BENTGRASS GROWN FOR SEED AND FOR WEED CONTROL IN
ESTABLISHED* PERENNIAL GRASSES GROWN FOR SEED**

*Established grasses are those which have been harvested at least once for seed or were planted one year or more before application.

For Weed Control in Established Perennial Bentgrass Grown For Seed in Oregon West of the Cascade Mountains and in Crook, Deschutes, and Wasco Counties

When used as directed below, **Willowood Metribuzin 75DF** will reduce competition from seedlings of annual Bromus species, annual ryegrass, and annual bluegrass. **Willowood Metribuzin 75DF** will control: Rattail Fescue, Henbit, Ivyleaf Speedwell, Chickweed, Mustards, and Shepherd's Purse.

Crop Tolerance: Crop tolerance is marginal and crop injury and yield reduction are possible. Make applications when the crop is not under stress to minimize crop injury. Use of adjuvants will reduce crop tolerance. Making the application after 3 consecutive sunny days will reduce the potential for crop injury.

Use Restrictions - Bentgrass Grown For Seed

- Do not apply more than once per year.
- Do not make application to a crop that is under stress (i.e., severe insect damage, cool to cold temperatures, disease, nutrient deficiency or deficient or excessive moisture).
- Do not tank mix with other herbicides.
- Apply only to Colonial and Creeping Bentgrass.
- Apply only to established bentgrass that is at least one year old and has been harvested for seed at least once.

Feeding Restrictions:

- Do not use the crop or crop residues as feed or livestock bedding for at least 28 days following the last application.

Applications - Bentgrass Grown For Seed	
Willowood Metribuzin 75DF (Lbs./Acre)	Directions
0.38 - 0.5	Make application of Willowood Metribuzin 75DF as a broadcast spray in at least 15 gals. of spray solution per acre when volunteer grasses are in the 1- to 2-leaf growth stage following Fall rainfall or irrigation and before active Spring growth. Excessive crop injury and/or failure to control weeds may result if application is made after mid-February. Allow at least 120 days between application and harvest for seed.

For Weed Control in Established Perennial Grasses Grown for Seed in Oregon West of the Cascade Mountains and in Crook, Deschutes, Jefferson, and Wasco Counties

When used as directed below, **Willowood Metribuzin 75DF** will reduce competition from volunteer seedlings of the indicated crop, annual Bromus species, annual ryegrass, and annual bluegrass. **Willowood Metribuzin 75DF** will control Rattail Fescue, Henbit, Ivyleaf Speedwell, Chickweed, Mustards, and Shepherd's Purse.

The addition of wetting agents containing crop oil may enhance control of the volunteer crop and grassy weeds. When adding wetting agents, follow the directions for use and recommended rates on the wetting agent label.

Willowood Metribuzin 75DF is compatible with most fertilizers, fungicides, and insecticides. **Willowood Metribuzin 75DF** may be combined with other herbicides for enhanced weed control. Before tank mixing with another herbicide, see the “**PRODUCT INFORMATION**” section of the **Willowood Metribuzin 75DF** label booklet and a knowledgeable authority or Willowood, LLC representative.

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

Use Restrictions - Perennial Grasses Grown For Seed

- Do not apply more than once per year on Perennial Ryegrass, Bluegrass, Fine Fescue, or Orchardgrass. Multiple applications (3 maximum) may be made on Tall Fescue, but do not apply more than a total of $\frac{3}{4}$ lb. product per year.
- Do not make application of **Willowood Metribuzin 75DF** through any type of irrigation system.
- Do not make application to a crop that is under stress (i.e., severe insect damage, cool to cold temperatures, disease, nutrient deficiency, or deficient or extreme moisture).
- Do not use on sand or loamy sand soils, or soils with less than 1.5% organic matter and/or soil pH of 7.5 or above or excessive injury will occur.
- **Pre-Harvest Interval (PHI):** Allow at least 120 days between application and harvest.
- Make application only to established grasses that are at least 1 year old and have been harvested at least once.

Feeding Restrictions:

- Crop and crop residues may be fed to livestock or used as bedding.
- If the seed crop is terminated and grazed or cut for forage, allow at least 28 days between application and use as animal feed.

Applications - Perennial Grasses Grown For Seed

Crop	Willowood Metribuzin 75DF (Lb./Acre)	Directions
Perennial Ryegrass Tall Fescue	$\frac{1}{3}$ - $\frac{3}{4}$	Make application at specified use rate as a broadcast spray in at least 15 gals. of spray solution per acre when the volunteer grasses are in the 1- to 2-leaf stage following Fall rainfall or irrigation but before active Spring growth.
Bluegrass Fine Fescue Orchardgrass	$\frac{1}{3}$ - $\frac{1}{2}$	Excessive crop injury and/or failure to control weeds may result if application is made after mid-February.

SPECIMEN

DIRECTIONS FOR USE TO CONTROL CERTAIN BROADLEAF AND GRASS WEEDS IN ESTABLISHED BERMUDAGRASS TURF

Follow all applicable precautions and restrictions on other portions of this label and on the full Federal label.

Use Precautions - Established Bermudagrass Turf

- Avoid spray overlaps that will increase use rates above those specified.
- Phytotoxicity may result if applied within the root zone area of ornamentals, shrubs, or trees. Avoid treatment to these areas.
- For best weed control, do not mow treated areas for at least 3 days after treatment. For best results, delay mowing until after rainfall or irrigation is received.
- When making application **Willowood Metribuzin 75DF** to turf that is actively growing, apply the lower use rate in areas where soil pH is greater than 7.5.

Use Restrictions - Established Bermudagrass Turf

- For application ONLY by commercial applicators and only on established bermudagrass turf (parks, athletic fields, golf course fairways and cemeteries) which has a mowing height of one-half inch or greater.
- Not for use in commercial greenhouses, nurseries, on sod farms, or on grass grown for seed. For use on plants intended for aesthetic purposes or climatic modification and being grown on golf courses or lawns and grounds.
- Apply only to established bermudagrass turf with a mowing height of one-half inch or more. Do not make application to greens, tees, aprons, or other turf which is closely mowed.
- Do not make application of this product to turf through any type of irrigation system.
- Do not enter or allow others to enter treated area until sprays have dried.
- Do not make application to dormant turf in the transitional bermudagrass growing zones which are or can be expected to be adversely affected by cold weather stress.
- Do not make application using low-pressure, high-volume hand-wand.
- Do not make application of more than 2 lbs. **Willowood Metribuzin 75DF** (1.5 lbs. a.i.) per acre in a single growing season. Do not apply more than once to dormant turf and twice to actively growing turf in a single growing season.
- Do not make application by air to turf.
- Do not make application of 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.
- Do not use grass clippings for animal feed.
- Do not allow sprays to drift onto adjacent desirable plants.
- Observe all cautions and limitations on labeling of all products used in mixtures.

MIXING

First fill the spray tank $\frac{1}{4}$ to $\frac{1}{3}$ full with clean water, then add **Willowood Metribuzin 75DF** at the specified rate. Mix thoroughly and add water to fill the spray tank. Agitation is necessary during mixing and spraying operations to ensure a uniform spray mixture. Ensure that the sprayer is calibrated accurately before making application of **Willowood Metribuzin 75DF**. Avoid boom-overlaps that will increase use rates above those specified. Check the sprayer frequently during treatment to be sure it is working properly and delivering a uniform spray pattern.

SPRAYER CLEAN-UP

Spray equipment must be thoroughly cleaned to remove remaining traces of herbicide that might injure other crops to be sprayed. Drain any remaining spray solution of **Willowood Metribuzin 75DF** from the spray tank and dispose of according to label disposal instructions. Rinse the spray tank and refill with water, adding a heavy-duty detergent at the rate of one cup per 20 gals. of water. Recycle this mixture through the equipment for 5 minutes and spray out. Repeat this procedure twice. Fill the spray tank with clean water, recycle for 5 minutes, and spray out. Clean pump and nozzle screens thoroughly. Wash away spray mixture from the outside of spray tank, nozzles or spray rig. All rinse water must be disposed of in compliance with local, State, and Federal guidelines.

APPLICATION TO ESTABLISHED BERMUDAGRASS

Apply only to established bermudagrass having a mowing height of one-half inch or more.

Application to Dormant Turf

Make application when weeds are present and actively growing. Make application at $\frac{2}{3}$ lb. **Willowood Metribuzin 75DF** in 40 gals. water/acre as a broadcast spray before green-up of turf. Observe the above Use Precautions and Restrictions when using this product.

Broadleaf Weeds (Except California)

Bedstraw Buttercup, Small-Flowered Carolina Geranium Carpetweed Chickweed, Common Clover, Hop Clover, Spotted Bur Clover, White Corn Speedwell Deadnettle, Red Goosefoot, Nettleleaf	Henbit Knotweed, Prostrate Knotweed, Silversheath London Rocket Mallow, Alkali (<i>a. sida</i>) Mustard, Wild Parsley-Piert Shepherd's Purse Spurge, Spotted Spur Weed
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Broadleaf Weeds (California Only)

Carpetweed Chickweed, Common Goosefoot, Nettleleaf London Rocket	Mallow, Alkali (<i>a. sida</i>) Mustard, Wild Shepherd's Purse
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Application to Actively Growing Turf

Make application at $\frac{1}{3}$ to $\frac{2}{3}$ lb. **Willowood Metribuzin 75DF** in 40 gals. of water/acre as a uniform broadcast spray. Make application only when turf is vigorously growing and not stressed. Repeat if necessary, but do not make application more often than every 7 days. Do not make application more than twice per season to actively growing turf. Applications may result in temporary discoloration, which turf soon outgrows. Observe the above Use Precautions and Restrictions when using this product.

Weeds Controlled (Actively Growing Turf)

Bluegrass, Annual (<i>Poa annua</i>) Canarygrass, Littleseed	Goosegrass (Except California) Rabbitfootgrass
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Other Weeds Controlled - Willowood Metribuzin 75DF, when tank mixed with MSMA and applied to actively growing bermudagrass turf according to directions, will effectively control:

Barnyardgrass Crabgrass Dallisgrass	Nutsedge Sandbur Woodsorrel, Common Yellow
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For control of these weeds, make application of **Willowood Metribuzin 75DF** as directed above and use as a tank mix with MSMA. See the MSMA label or contact your local turf extension specialist for additional directions, rates, weed species controlled, and precautions.

SPECIMEN

STORAGE AND DISPOSAL

DO NOT contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE: Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, or feed. Store in original container and out of the reach of children, preferably in a locked storage area. Handle and open container in a manner as to prevent spillage. If the container is leaking or material spilled for any reason or cause, carefully sweep material into a pile. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Dispose of pesticide as directed below. In spill or leak incidents, keep unauthorized people away.

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

CONTAINER HANDLING:

Non-Refillable Plastic and Metal Containers (Capacity Equal to or Less Than 50 Pounds): Non-refillable 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 $\frac{1}{4}$ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then, for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration, or by other procedures approved by State and local authorities. For Metal Containers, offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.

IMPORTANT: READ BEFORE USE
CONDITION OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

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