

PM 25 3125-325

10/11

325-8757.YLD

Base Pre-Reg (8757)

U. S. LABEL

Reason to Issue: To revise claims for use on tomatoes. 08/17/94 Draft: Revise in line with internal comments. 03/26/96 Draft: To add remark in Preplant Incorporated Transplant Section about preventing injury to transplants.

Date of Draft: 03/26/96 (Pre-Reg) (D)  
Supersedes Pre-Reg Drafts Dated: 08/17/94 and 05/26/94

# Sencor<sup>®</sup> DF

## 75% Dry Flowable Herbicide

**ACTIVE INGREDIENT:**

4-Amino-6-(1,1-dimethylethyl)-3-(methylthio)-1,2,4-triazin-5(4H)-one .....

**INERT INGREDIENTS:** .....

RECORDED  
96  
AUG 27 4:08 PM '96  
96  
AUG 27 4:08 PM '96  
RECORDED  
96  
AUG 27 4:08 PM '96

EPA Reg. No. 3125-325

### AMENDMENT To Previously Registered Labeling REVISE TO READ AS FOLLOWS:

#### TOMATOES

Apply SENCOR herbicide with ground equipment to seeded and transplanted tomatoes as specified below under "Recommended Applications".

Do not use air blast or other high pressure spray equipment to make postemergence applications of SENCOR DF. Refer to the appropriate section of this label for additional information regarding spray equipment, dilution rates, mixing, sprayer cleanup, restrictions, container disposal and cautions.

For effective control of grasses and broadleaf weeds with postemergence applications, apply SENCOR DF before weeds are 1-inch tall. Thorough spray coverage on weed foliage is essential for adequate control with postemergence applications.

For specific application information see the "General Information" section in the front of this label.

# Sencor DF

WEEDS CONTROLLED	
<b>PREPLANT INCORPORATED APPLICATIONS — TRANSPLANT TOMATOES ONLY</b> Broadcast Sprays: 1/3 to 2/3 lb SENCOR DF/Acre	
<u>Broadleaves</u> Galinsoga ( <i>Galinsoga</i> spp.) Lambsquarters ( <i>Chenopodium album</i> )	*Pigweed, Redroot ( <i>Amaranthus retroflexus</i> ) *Purslane, Common ( <i>Portulaca oleracea</i> )
<u>Grasses</u> *Goosegrass ( <i>Eleusine indica</i> )	
Preplant incorporated applications applied as directed will suppress foxtails, panicums and barnyardgrass. <b>SENCOR/Trifluralin Tank Mix:</b> This tank mix combination applied preplant incorporated as directed on this label will control the weeds listed above plus those weeds listed on the trifluralin label.	
<b>POSTEMERGENCE APPLICATIONS — ESTABLISHED TOMATOES</b> For effective control of weeds with postemergence applications, apply SENCOR DF before weeds are 1-inch tall.	
Broadcast Sprays - 1/3 to 2/3 lb SENCOR DF/Acre	Directed Sprays 2/3 to 1-1/3 lb SENCOR DF/Acre
<u>Broadleaves</u> Carpetweed ( <i>Mollugo verticillata</i> ) Fumitory ( <i>Fumaria officinalis</i> ) Galinsoga ( <i>Galinsoga</i> spp.) *Jimsonweed ( <i>Datura stramonium</i> ) *Ladysthumb ( <i>Polygonum persicaria</i> ) Lambsquarters ( <i>Chenopodium album</i> ) Mustard, Wild ( <i>Brassica kaber</i> )	Pigweeds ( <i>Amaranthus</i> spp.) Purslane ( <i>Portulaca oleracea</i> ) *Ragweed, Common ( <i>Ambrosia artemisiifolia</i> ) *Smartweed, Pennsylvania ( <i>Polygonum pennsylvanicum</i> ) Toadflax ( <i>Linaria</i> spp.) *Velvetleaf ( <i>Abutilon theophrasti</i> )
<u>Grasses</u> *Foxtail, Yellow ( <i>Setaria glauca</i> ) Goosegrass ( <i>Eleusine indica</i> ) <b>Plus Weeds Listed Under Broadcast Sprays</b>	
* For optimum control of these weeds, use the highest rate recommended on the label for the type of application to be made. Repeat postemergence applications may be needed for best control. Postemergence applications as directed on this label will suppress barnyardgrass and crabgrass when these weeds are less than 1-inch tall.	

RECOMMENDED BROADCAST APPLICATIONS		
CROP	SENCOR DF (*Lb/Acre)	REMARKS
Tomatoes	1/3 to 2/3	<b>PREPLANT INCORPORATED — TRANSPLANT TOMATOES ONLY:</b> Apply specified dosage in 10 or more gallons of water per acre as a broadcast spray to the soil surface immediately before transplanting. Incorporate to a depth of 2 to 4 inches 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. <del>When transplanting tomatoes, place the root system of the plants below the herbicide incorporation zone or injury may occur.</del> Refer to the trifluralin label for specific rate of application and for additional precautions and restrictions for tomatoes.
	1/3 to 2/3	<b>POSTEMERGENCE BROADCAST SPRAY — ESTABLISHED TOMATOES:</b> Apply specified dosage in 20 or more gallons of water per acre as a broadcast spray, or apply in 1/4 to 3/4 inch of water (use 1/4 to 1/2 inch of water on sandy soils) per acre as a continuous injection in center pivot and lateral move systems or apply 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 occur. For transplanted tomatoes, do not apply until transplants have recovered from transplant shock and new growth is evident. Do not apply to tomatoes within 24 hours of application of other pesticides. Do not tank mix with other pesticides. (See "Special Precautions" below.)
	2/3 to 1-1/3	<b>POSTEMERGENCE DIRECTED SPRAY — ESTABLISHED TOMATOES:</b> Apply specified dosage in 20 or more gallons 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 occur. Avoid contacting tomato foliage with spray. This method of treatment is recommended 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 apply until transplants have recovered from transplant shock and new growth is evident. Do not apply to tomatoes within 24 hours of application of other pesticides. (See "Special Precautions" below.) When banding see the appropriate section in the front of this label.

\* Use the higher rate in fields with a history of severe weed pressure and for maximum residual weed control.

**SPECIAL PRECAUTIONS (Tomatoes):** Do not apply more than a total of 1-1/3 lb SENCOR DF per crop season.

Do not apply the total amount of 1-1/3 lb SENCOR DF within a time span of less than 35 days, except in the case of directed sprays.

Allow at least 14 days between applications, regardless of dosage or method of application or severe crop injury may occur.

Do not apply within 7 days of harvest.

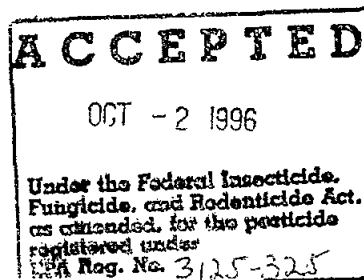
Do not apply within 3 days after periods of cool, wet or cloudy weather, or crop injury will occur.

Do not use hot caps on tomatoes within 7 days before or at any time after application of SENCOR DF. Do not treat seeded tomatoes until plants have reached the 5 to 6 leaf stage or severe crop injury may occur.

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 SENCOR, treat only a small area to determine if SENCOR DF can be used without injury to the crop.

**DO NOT USE SENCOR DF ON TOMATOES IN KERN COUNTY, CALIFORNIA.**



Bayer Corporation  
 Crop Protection Products  
 Box 4913  
 Kansas City, MO 64120-0013



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325-8814.YLD

Base Pre-Reg (8814)

U. S. LABEL

Reason to Issue: To revise claims for use on barley and wheat. 02/21/96 Draft: To move prickly lettuce to Weeds Suppressed table.

Date of Draft: 02/21/96 (Pre-Reg) (D)  
Supersedes Pre-Reg Draft Dated 07/10/95

**ACCEPTED**  
OCT - 2 1996  
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 3125-325

# Sencor® DF

## 75% Dry Flowable Herbicide

**ACTIVE INGREDIENT:**

4-Amino-6-(1,1-dimethylethyl)-3-(methylthio)-1,2,4-triazin-5(4H)-one .....	75%
<b>INERT INGREDIENTS:</b> .....	25%
	100%

EPA Reg. No. 3125-325

### AMENDMENT To Currently Registered Labeling

#### REVISE TO READ AS FOLLOWS:

#### CEREALS

(Spring and Winter Barley and Winter Wheat)

SENCOR DF herbicide is recommended for control or suppression of certain grasses and broadleaf weeds when applied postemergence to spring and winter barley or winter wheat. SENCOR DF alone and several tank mixture treatments are recommended for use in the following states: AR, GA, ID, IL, IN, KS, KY, LA, MS, MO, MT, NV, OH, OK, OR, TN, TX, UT, WA.

**Mixing:** See the 'General Information' section of this label for specific mixing procedures. When tank mixing, carefully follow the instructions on this label. Refer to the other product labels registered for use in barley and winter wheat for additional use directions, rates, weeds controlled and restrictions.

**Application:** SENCOR DF may be applied 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 apply SENCOR DF through any type of irrigation equipment. Apply SENCOR DF when the crop is healthy and actively growing. SENCOR DF 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 ounces SENCOR DF (8 ounces active ingredient) 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 1/2 inch) is required within 2 to 3 weeks after application to move SENCOR 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.

REC'D EPA/08/25/96  
96 AUG 27 1996

**Sencor DF 75%**

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**SENCOR DF 75% Dry Flowable Herbicide**

**Tank Mixtures:** SENCOR DF may be tank mixed with Ally, Amber, Finesse, Glean FC, Harmony Extra, 2,4-D, MCPA, Igran, Banvel/Banvel SGF, Bronate or Buctril herbicides. A nonionic surfactant containing at least 80% active ingredient may be used in SENCOR DF 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 SENCOR DF mix as crop injury may result. Additional pesticides may also be tank mixed with SENCOR DF 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 cereals for additional directions, rates and weed species controlled. Observe all precautions and limitations on labeling of all products used in mixtures.

**Feeding Restrictions:** Do not graze wheat within 14 days of SENCOR DF 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.

**Special Precautions:** Cereal Injury - Crop injury may occur if SENCOR DF is applied:

1. 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.
2. In combination with fluid fertilizer especially with the addition of surfactant,
3. Prior to the growth stage specified on this label.
4. To soils high in lime or sodium, a pH greater than 7.7, calcareous, gravelly, thinly covered or exposed subsoil areas.
5. To fields where cereal seeds have been planted less than 1 inch deep.
6. To a non-winter hardy wheat or barley variety.
7. To a sensitive wheat or barley variety as listed below.
8. To frozen soil or crop still in winter dormancy.

**Cereal Rotations Following Potatoes Treated with SENCOR DF:** If planting a sensitive cereal variety (listed under the wheat and barley variety tolerance portion of this label), following potatoes treated with SENCOR DF or metribuzin containing products, refer to the potato section of the SENCOR DF label for special cultural practices to follow.

**APPLICATION RECOMMENDATIONS**

SENCOR DF alone or in a tank mix with labeled broadleaf herbicides may be applied by aerial or ground spray equipment as a broadcast postemergence spray.

RECOMMENDED POSTEMERGENCE BROADCAST APPLICATIONS OF SENCOR DF				
CROP GROWTH STAGE	SOIL TEXTURE	SENCOR DF RATE (oz/A) % ORGANIC MATTER		REMARKS
		0.75 TO 2.0	OVER 2.0	
2 Leaf To 2 Tiller	Coarse	1 to 2	1 to 3	Use these rates on crops with secondary roots smaller than 1 inch.  For dryland winter wheat (nonirrigated), apply the highest recommended rate to achieve maximum weed suppression/control.
	Medium	1 to 3	2 to 3	
	Fine	2 to 3	2 to 4	
3 Tiller To 4 Tiller	Coarse	3 to 4	4 to 5	Do not apply within 2 weeks after grazing or breaking of winter dormancy. Apply 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 (nonirrigated), apply the highest recommended rate to achieve maximum weed suppression/control.
	Medium	4 to 5	5 to 6	
	Fine	5 to 6	5 to 6	
Over 4 Tillers	Coarse	4 to 6	5 to 8	GEORGIA ONLY: Wheat must be planted before November 15 in the Piedmont area and Northern part of the state, and before December 1 in the Coastal Plain area.
	Medium	4 to 8	5 to 8	
	Fine	5 to 8	8 to 10-2/3	

**WHEAT AND BARLEY VARIETAL TOLERANCE\***

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

**Winter Wheat:** Abe, 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,

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**SENCOR DF 75% Dry Flowable Herbicide**

Coker 797, Coker 68-15, Coker 9134, Coker 9543, Coker 9904, Coker 9907, Daws, DB 533W, DB 562W, DB 580W, 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, Lamed, Lewis 833, Lewjain, Lisa, Longhorn, Luke, Madsen, 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, Siouxiand, Sprague, Southern Belle, Stacy, Stallion, Stephens, TAM W101, TAM 105, TE 877, TE 2548, TE SR204, Tiber, Tomahawk, Traveler, Tres, Tyee, Tyler, Veme, Victory, Wakefield, Wanser, Weston, Winalta, Wrangler.

**Barley:** Advance, Boyer, Clark, Compana, Hannchen, Hector, Hesk, Hudson, Lud, Luther, Kamiak, Klages, Olympic, Pirolina, Steptoe and Triumph.

The following cereal varieties are sensitive to SENCOR DF and are not recommended for use:

**Winter Wheat:** 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 9835, Coker 9766, Coker 9877, FFR 555, Florida 304, Freedom, FS 417, FS 423, FS 425, FS 430, Gore, Hickory, Julie III, KY-49-25, Linden, Mesa, Mustang, Pacer, PI XW 522, PI 2551, PI 2163, Princeton 733, PSR W71, PSR 226, PSR 278, Rosen, Savannah, Sierra, TAM 107, TR 101, TR 1011, TR 8822, Triumph 64, Vona, Wings, Winridge, Yamhill.

**Spring/Durum Wheat:** Avoid 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 Bayer representative or herbicide expert for a variety recommendation prior to treatment or treat a small strip of the unlisted variety with the recommended SENCOR DF rate to ascertain crop tolerance before treating an entire field.

\* Abbreviated names of vendors: 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			
Used at recommended rates, SENCOR DF will control many annual broadleaf weeds. Control is best when applied to young, actively growing weeds. Weeds controlled by SENCOR DF include:			
Bittercress	Evening Primrose, Cutleaf	Knotweed, Prostrate	Pigweed, spp.
Catchfly, Conical (Sand)	Falseflax, Smallseed	Lambsquarter, Common	Pineappleweed
Catchweed (Madwort)	Fiddleneck, Tarweed	Lettuce, Miners	Polemonium, Annual (Jacob's Ladder)
Chickweed, Common	Filaree, Redstem	Mustard, Blue	Radish, Wild
Chickweed, Mouseear	Geranium, Carolina	Mustard, Wild	Shepherdspurse
Corncockle	Gromwell, spp.	Pennycress, Field	Speedwell, Ivyleaf
Dogfennel (Mayweed)	Henbit	Pepperweed, Virginia	Turnip, Wild

WEEDS SUPPRESSED					
SENCOR DF control of the following weeds varies from poor to excellent depending on time of application, stage of growth at application, temperatures and soil moisture conditions following treatment. For maximum effect on these weeds, apply the highest recommended rate at the earliest growth stage timing for each particular soil type and organic matter. Suppression is a reduction in weed size and growth as compared to a non-treated area in the same field.					
BROADLEAVES			GRASSES		
Buckwheat, Wild*	Mustard, Tumble (Jim Hill)*	Barley, Hare (Wild)	Bluegrass, Bulbous	Cheat*	Whitlowgrass, Spring
Buttercup, spp.	Tanymustard	Barley, Little	Brome, Downy*	Foxtail, spp*	(Vernal)
Cowcockle	Thistle, Russian	Blackgrass	Brome, Japanese*	Oat, Wild*	Windgrass
Kochia*	Vetch, Winter	Bluegrass, Annual	Brome, Rippgut*	Rescuegrass*	
Lettuce, prickly					
* Use the highest recommended SENCOR DF rate for maximum weed suppression.					



60/11

325-8751.YLD

U. S. LABEL

Base Pre-Reg (8751)

Reason to Issue: To add additional tank mix partners to the post emergence corn section.

Date of Draft: 03/08/96 (Pre-Reg) (D)  
Supersedes Draft Dated: 07/21/94

# Sencor® DF

## 75% Dry Flowable Herbicide

ACTIVE INGREDIENT:

4-Amino-6-(1,1-dimethylethyl)-3-(methylthio)-1,2,4-triazin-5(4H)-one

75%  
25%  
100%

INERT INGREDIENTS:

EPA Reg. No. 325-325

**ACCEPTED**  
OCT -2 1996  
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 325-325

**STOP - Read The Label Before Use**  
**KEEP OUT OF THE REACH OF CHILDREN**

**AMENDMENT To Currently Registered Labeling**  
**ADD THE FOLLOWING:**

**FIELD CORN**

### POSTEMERGENCE APPLICATION

SENCOR DF is recommended for control of selected broadleaf weeds when applied as a tank mix combination with certain broadleaf herbicides presently registered and recommended for postemergence use in field corn. Herbicides which may be tank mixed with SENCOR DF include:

- |  |                        |
|--|------------------------|
| 2,4-D                                  | Clarity                |
| Atrazine                               | Laddok <del>S-12</del> |
| Banvel                                 | Marksman               |
| Basagran                               | Pursuit*               |
| Buctril/Buctril Gel                    | <del>Tough</del>       |
| <del>Buctril + atrazine (Premix)</del> |                        |

\* Use only on Pursuit resistant/tolerant corn hybrids (IMI-Corn).

**APPLICATION:** SENCOR DF may be applied to field corn after crop emergence until just prior to tasseling. Broadcast applications may be made with ground or aerial equipment. For optimum weed control, apply treatments when weeds are small and actively growing, but before reaching the maximum heights listed in the Weeds Controlled table.

### POSTEMERGENCE APPLICATION      BROADCAST APPLICATION

**Ground Application:** Adjust nozzle height above crop and weed canopy to ensure uniform spray coverage. Gallonage should be increased with increasing weed size and population density.

For tank mixes of SENCOR DF plus atrazine, Basagran, Laddok ~~S-12~~, Buctril, ~~Buctril + atrazine~~, Pursuit, ~~Tough~~, or 2,4-D amine formulations, use flat fan nozzles spaced a maximum of 20 inches apart. Best results are achieved using a minimum spray volume of 10 gallons per acre and spray pressure from 20 to 40 psi.

For SENCOR DF tank mixes with Banvel, Clarity, Marksman, or 2,4-D low volatile ester formulations, use drift-reducing nozzles which are specifically designed to produce coarse sprays and reduce the amount of driftable fines. Additional measures which will help avoid potential drift to sensitive crops and plants include using a minimum spray volume of 20 gallons per acre and keeping spray pressures at or below 20 psi unless otherwise specified by the nozzle manufacturer.

For further precautions and additional instructions and recommendations, consult the tank mix partner's label.

**Aerial Application:** Apply in a minimum spray volume of 3 gallons per acre. For optimum spray coverage and distribution, use a minimum of 5 gallons per acre and a maximum pressure of 40 psi. Use a boom and nozzle configuration which will provide a uniform deposition pattern and coverage with low drift potential. Avoid overlaps to prevent potential crop injury. Do not apply near sensitive crops or sensitive plants

Text being added is highlighted by redlining.

**Sencor 75% DF**

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## SENCOR DF 75% Dry Flowable Herbicide

growing near the treated area. Do not apply when wind speed is greater than 10 mph or when winds are moving toward sensitive crops or plants. To avoid drift hazards, applicator must follow the most restrictive labeling of the products used in a tank mix.

### POST DIRECTED APPLICATION

SENCOR DF in tank mix combinations with Banvel, 2,4-D, or Buctril may be applied post directed to field corn. Use drop nozzles and appropriate spacing to direct spray below the corn whorl and upper leaves. The top of the target weed canopy must be sufficiently below the whorl and upper leaves of the crop to permit this application and provide adequate spray coverage. The height differential required between the crop and weed canopy will depend on the specific equipment used. Apply before tassel emergence. For further precautions and additional recommendations, refer to the appropriate tank mix partner's label.

### ADJUVANTS

The adjuvant types listed below may be utilized with certain SENCOR DF tank mix combinations. Consult the tank mix recommendations section for the appropriate adjuvant and rate. Use of non-recommended adjuvants or rates may result in severe leaf burn, crop stunting, and/or stand reduction. Use only adjuvants which are exempt from tolerance requirements under 40 CFR 180.1001.

**UAN** (urea ammonium nitrate) is commonly referred to as 28, 30, or 32% N.

**Ammonium sulfate** (spray grade) may be used as an alternative to UAN with certain tank mix combinations.

**Non-ionic surfactants** should contain at least 80% active ingredient.

**DO NOT USE** crop oil concentrate (COC) or any adjuvant containing vegetable or petroleum oils with any SENCOR DF tank mixtures as severe leaf burn, crop stunting, and/or stand reduction may occur.

### RAINFASTNESS

SENCOR DF will not reduce rainfastness of the recommended tank mix partners. Refer to the individual product labels for rainfastness recommendations.

### SPRAYER CLEANUP

Refer to each tank mix partner's label and the Sprayer Cleanup section of the SENCOR DF label for specific instructions on cleaning spray equipment. Special attention should be given to the required cleanup procedures for 2,4-D, Banvel, Clarity, and Marksman.

### SPECIAL PRECAUTIONS

1. Do not use on corn grown for seed, sweet corn, popcorn, or white corn.
2. Do not apply more than 0.25 pounds a.i. metribuzin (5-1/3 ounces SENCOR DF) per acre per use season.
3. Do not apply when field corn is under stress (see Stress statement below).
4. Do not use aerial applications if sensitive crops or plants are growing in the vicinity of the area to be treated.
5. Do not allow spray drift onto sensitive crops or plants.
6. Do not use on sand, loamy sand or sandy loam soils that have less than 0.5% organic matter.
7. Do not use on sand or loamy sand soils in Washington, Oregon or Idaho or crop injury may occur.
8. Observe all precautions and limitations on labeling of all products used in the tank mixtures.

**Stress** is any condition or combination of conditions which impairs normal crop growth. Weather, disease, insect damage, fertility or other factors may cause stress. Applications made before or after the corn is under stress from these factors or from periods of prolonged cool, wet and cloudy weather or widely fluctuating day and nighttime temperatures, may result in temporary leaf burn, yellowing and/or stunting of the crop. Recovery from damage is generally rapid with no lasting effects on new growth. Under extreme stress, stand reductions may occur.

**Feeding Restrictions:** Field corn treated with SENCOR DF may be grazed or harvested for silage or grain 60 days after treatment. Follow the most restrictive preharvest interval on the labels of the products used in the tank mixtures.

### TANK MIX COMBINATIONS

The SENCOR DF tank mixtures listed below can be utilized for control of certain annual broadleaf weeds.

8011

**SENCOR DF 75% Dry Flowable Herbicide**

<b>SENCOR DF POSTEMERGENCE BROADCAST RECOMMENDATIONS</b>		
PRODUCT	RATE	DIRECTIONS AND REMARKS*
SENCOR DF + 2,4-D Amine or 2,4-D LVE	2 oz/A + 1/2 to 1 pt/A <sup>1</sup> or 1/3 to 1/2 pt/A <sup>1</sup>	Apply as a broadcast spray during the interval from corn emergence until corn is 8 inches tall. Apply only to varieties known to be tolerant to 2,4-D. <b>DO NOT USE ADJUVANTS.</b> 2,4-D may cause injury to nearby sensitive crops. 2,4-D applications may result in brittle corn stalks, and winds or cultivation may cause stalk breakage. To reduce damage, delay cultivation 8 to 10 days after application.
SENCOR DF + Atrazine	2 oz/A + 1/2 to 1-1/2 lb ai/A	Apply as a broadcast spray during the interval from corn emergence until corn is 12 inches tall. A non-ionic surfactant (1 qt/100 gal of spray solution) may be added to improve weed control. Atrazine is a restricted use herbicide. Follow all state and federal label recommendations and restrictions pertaining to atrazine applications.
SENCOR DF + Banvel or Clarity	2 oz/A + 1/2 to 1 pt/A or 1/2 to 1 pt/A	Apply as a broadcast spray during the interval from corn emergence through the five leaf stage or when corn is 8 inches tall, whichever occurs first. For Banvel applications to corn greater than 8 inches in height, consult the Banvel label for use rates and restrictions. If growing conditions are dry and plants are stressed, addition of a non-ionic surfactant (1 qt/100 gal of spray solution) may improve weed control. For corn grown on coarse textured soils, apply Banvel or Clarity at 0.5 pt/A, regardless of application method. Application may cause injury to nearby sensitive crops or plants. Application may result in temporary leaning of corn plants. Delay cultivation until plants return to normal growth patterns to avoid stalk breakage.
SENCOR DF + Basagran	2 oz/A + 1 pt/A	Apply as a broadcast spray after corn emergence but before corn exceeds 30 inches in height and the crop canopy closes the row. Adjuvants such as UAN (0.5 to 1 gal/A), ammonium sulfate (17 lbs/100 gal of spray solution), or non-ionic surfactant (1 qt/100 gal of spray solution) may improve weed control.
SENCOR DF + Buctril or Buctril Gel	1.6 to 2 oz/A + 1 pt/A or 1/2 pt/A	Apply as a broadcast spray when corn is in the fourth true leaf stage or later but before the crop canopy closes the row. <b>DO NOT USE ADJUVANTS.</b> Occasional temporary corn leaf burn may occur and is similar to that observed from liquid fertilizers. Recovery is generally rapid with no lasting effect. To reduce potential for crop damage, application should be made to dry corn foliage when weather conditions are not extreme.
<del>SENCOR DF + Buctril + atrazine (Premix)</del>	<del>1.6 to 2 oz/A + 1-1/2 to 2 pt/A</del>	<del>Apply as a broadcast spray during the interval from corn emergence until corn is 12 inches tall. <b>DO NOT USE ADJUVANTS.</b> Occasional temporary corn leaf burn may occur and is similar to that observed from liquid fertilizers. Recovery is generally rapid with no lasting effect. To reduce potential for crop damage, application should be made to dry corn foliage when weather conditions are not extreme.</del>
SENCOR DF + Laddok <del>SE 12</del>	2 oz/A + 1.33 to 1.66 pt/A	Apply as a broadcast spray after corn emergence until the corn is 12 inches tall. Adjuvants such as UAN (0.5 to 1 gal/A) may increase weed control. Laddok <del>SE 12</del> contains atrazine, and is a restricted use product. Follow all state and federal label recommendations and restrictions pertaining to atrazine.
SENCOR DF + Marksman	2 oz/A + 1-1/2 to 2 pt/A	Apply as a broadcast spray during the interval from corn emergence through the five-leaf stage or when corn is 8 inches tall, whichever occurs first. <b>DO NOT USE ADJUVANTS.</b> Application may cause injury to nearby sensitive crops or plants. Application may result in temporary leaning of corn plants. Delay cultivation until plants return to normal growth patterns to avoid stalk breakage. Marksman contains atrazine, and is a restricted use product. Follow all state and federal label recommendations and restrictions pertaining to atrazine.
SENCOR DF + Pursuit	2 oz/A + 2 to 4 oz/A	Use only on designated IMI-Corn hybrids (hybrids which are resistant/tolerant to Pursuit). Apply the 4.0 ounce rate of Pursuit if grasses are present or broadleaf weeds are near the maximum heights shown. Apply in combination with a non-ionic surfactant (1 qt/100 gal of spray solution) and UAN (1 to 2 qt/A).
<del>SENCOR DF + Tough</del>	<del>2 oz/A + 1 to 2 pt/A</del>	<del>Apply as a broadcast spray after corn emergence but before corn height exceeds 30 inches and the crop canopy closes the row. A non-ionic surfactant (1 qt/100 gal of spray solution) may be added to improve weed control. Use the higher rates of Tough as weeds approach the maximum height listed or are found in high density. Tough may improve control on triazine/ALS resistant weeds.</del>

\* Consult the appropriate tank mix partner's label for additional recommendations or restrictions. The most restrictive labeling applies to tank mixes with SENCOR DF.

<sup>1</sup> Application rate is based on, but not restricted to, 4 pounds active ingredient per gallon of 2,4-D.



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SENCOR DF 75% Dry Flowable Herbicide

SENCOR DF POST DIRECTED RECOMMENDATIONS		
PRODUCT	RATE	DIRECTIONS AND REMARKS*
SENCOR DF + 2,4-D Amine or 2,4-D LVE	2 to 3 oz/A + 3/4 to 1-1/2 pt/A <sup>1</sup> or 1/2 to 3/4 pt/A <sup>1</sup>	For corn greater than 8-inches tall, apply as a <b>directed spray with drop nozzles</b> before tassel emergence. Apply only to varieties known to be tolerant to 2,4-D. <b>DO NOT USE ADJUVANTS.</b> 2,4-D may cause injury to nearby sensitive crops. 2,4-D applications may result in brittle corn stalks, and winds or cultivation may cause stalk breakage. To reduce damage, delay cultivation 8 to 10 days after application.
SENCOR DF + Banvel	2 to 3 oz/A + 1/2 pt/A	For corn 8 to 36 inches tall, apply as a <b>directed spray with drop nozzles</b> . Application may be made up to 15 days prior to corn tasseling. If growing conditions are dry and plants are stressed, addition of a non-ionic surfactant (1 qt/100 gal of spray solution) may improve weed control. For corn grown on coarse textured soils, apply Banvel at 0.5 pt/acre, regardless of application method. Application may cause injury to nearby sensitive crops or plants. Application may result in temporary leaning of corn plants. Delay cultivation until plants return to normal growth patterns to avoid stalk breakage.
SENCOR DF + Buctril or Buctril Gel	2 to 3 oz/A + 1 to 1-1/2 pt/A or 1/2 to 3/4 pt/A	Apply as a <b>directed spray with drop nozzles</b> before tassel emergence. <b>DO NOT USE ADJUVANTS.</b> Occasional temporary corn leaf burn may occur and is similar to that observed from liquid fertilizers. Recovery is generally rapid with no lasting effect. To reduce potential for crop damage, application should be made to dry corn foliage when weather conditions are not extreme.
<p>* Consult the appropriate tank mix partner's label for additional recommendations or restrictions. The most restrictive labeling applies to tank mixes with SENCOR DF.</p> <p><sup>1</sup> Application rate is based on, but not restricted to, 4 pounds active ingredient per gallon of 2,4-D.</p>		

SENCOR DF 75% Dry Flowable Herbicide

WEEDS CONTROLLED									
These tank mixtures with SENCOR DF will control the following annual weeds up to the maximum weed heights listed:									
COMMON WEED NAME	SENCOR DF +								
	Atrazine	Banvel/ Clarity	Basagran	Buctril/ Buctril + atrazine	2,4-D	Marksman	Pursuit	Laddok S-12	Tough
	MAXIMUM WEED HEIGHT IN INCHES*								
Amaranth, Palmer	4 <sup>a</sup>	4	2 <sup>a</sup>	4 <sup>a</sup>	4	4	8 <sup>b</sup>	6	4
Buckwheat, wild	3	3	3	3	2	3	2	3	
Buffalobur	4	4		4		4	1		
Burcucumber		4		4	2	4			4
Carpetweed	2	2	2	2	2	2		2	4
Cocklebur, common	8	8	8	8	8	8	8 <sup>b</sup>	8	6
Eclipta	3	3	3	3	3	3		3	3
Henbit	3	3	2	2	2	4	3	3	4
Horseweed/marestail	3	4	1	1	3	6		2	
Jimsonweed	5	5	6	5	5	5	5	6	5
Knotweed	6	6	6	4	2	6	4	6	4
Kochia	2 <sup>a</sup>	2	1 <sup>a</sup>	2 <sup>a</sup>	2 <sup>a</sup>	2	2	2 <sup>a</sup>	4
Ladysthumb	6	6	6	6	4	6	4	6	6
Lambsquarters, common	6 <sup>a</sup>	6	1	6	6	6	4	5	4
Lettuce, prickly	4	4		3	4	5		3	
Mallow, Venice	2	2	2	2	2	2	2	4	
Morningglory, entire leaf	3	3	1	3	3	3	2	2	
Morningglory, ivyleaf	3	3	1	3	3	3	2	2	
Morningglory, pitted	3	3	1	3	3	3	2	2	
Morningglory, tall	3	3	1	3	3	3	2	2	
Mustard, tansy	4	4	4	4	4	4	4	4	
Mustard, wild	4	4	4	4	4	4	4	4	4
Nightshade, black	6	6		6	1	6	3	1	4
Nightshade, eastern black	6	6		6	1	6	3	1	4
Pigweed, redroot	6 <sup>a</sup>	6	2 <sup>a</sup>	6 <sup>a</sup>	6	6	8 <sup>b</sup>	6 <sup>a</sup>	6
Pigweed, smooth	6 <sup>a</sup>	6	2 <sup>a</sup>	6 <sup>a</sup>	6	6	8 <sup>b</sup>	6 <sup>a</sup>	6
Poorjoe	3	3	3	3	3	3	3	3	
Purslane, common	1	3				4	1		3
Pusley, Florida	3	3	3	3	3	3		3	
Ragweed, common	5	5	3	5	5	6	3	4	
Ragweed, giant	4	5	2	4	3	6	4	4	
Sicklepod	3	3	3	3	3	3	3	3	2
Sida, prickly	1	1	3	1	1	2	1	2	1
Smartweed, Pennsylvania	6	6	6	6	4	6	4	6	
Sunflower, common	6	6	6	6	6	6	5	6	5
Thistle, Russian	1	3		3	1	3	1	1	3
Velvetleaf	6 <sup>a</sup>	6	6	6	4	6	5	6	
Waterhemp, spp.	5 <sup>a</sup>	5	2 <sup>a</sup>	5 <sup>a</sup>	5	5	4 <sup>b</sup>	2 <sup>a</sup>	5

\* When weeds are approaching the maximum height listed or found in high densities, use the higher rate of SENCOR DF and the selected tank mix partners.  
<sup>a</sup> These treatments will not control triazine resistant biotypes.  
<sup>b</sup> These treatments will not control ALS resistant biotypes.

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SENCOR DF 75% Dry Flowable Herbicide

PERENNIAL WEED SUPPRESSION

The following SENCOR DF tank mixtures will provide top growth burndown and in season suppression of the following perennial weeds; however, regrowth may occur. For the best performance on these weeds, use the maximum rates of

SENCOR DF, Banvel, Buctril, ~~Buctril + atrazine~~, Clarity, Marksman, 2,4-D LVE or Pursuit recommended for these tank mixtures.

COMMON WEED NAME	SENCOR DF +				
	Banvel / Clarity	Buctril/ <del>Buctril + atrazine</del>	2,4-D LVE	Marksman	Pursuit
Bindweed, field	X		X	X	
Dandelion, common	X		X	X	
Dock, curly	X		X	X	
Smartweed, swamp	X		X	X	
Thistle, Canada	X	X	X	X	X

