

SMALL GRAIN PRE-HARVEST

Herbicide	Product/A (ai/A)	Weeds	When to Apply	Remarks and Paragraphs																									
Roundup / generic glyphosate For HRS, Durum and Winter Wheat and Feed Barley Only.	Up to 0.75 lb ae See Remarks.	Annual and perennial grass and broadleaf weeds including Canada thistle.	Wheat and barley: Hard-dough stage, 30% or less grain moisture. Allow a 7 day PHI.	<table border="1"> <thead> <tr> <th>lb ae/gal</th> <th>lb ai/gal</th> <th>0.38 ae</th> <th>0.57 ae</th> <th>0.75 ae</th> </tr> </thead> <tbody> <tr> <td>3</td> <td>4</td> <td>= 16 fl oz</td> <td>24 fl oz</td> <td>32 fl oz</td> </tr> <tr> <td>4/4.17</td> <td>5.4/5.1</td> <td>= 12 fl oz</td> <td>18 fl oz</td> <td>24 fl oz</td> </tr> <tr> <td>4.5</td> <td>5.5</td> <td>= 11 fl oz</td> <td>16 fl oz</td> <td>22 fl oz</td> </tr> <tr> <td>5</td> <td>6.1</td> <td>= 10 fl oz</td> <td>15 fl oz</td> <td>20 fl oz</td> </tr> </tbody> </table> <p>Do not apply more than 0.75 lb ae/season. Do not apply on wheat or barley grown for seed because reduced germination/vigor may occur. Apply 0.75 lb ae/A or more for Canada thistle control. May be applied with 2,4-D or dicamba for improved broadleaf weed control. Add AMS fertilizer at 4 lb/100 gal, or more for hard water. Refer to label for adjuvant use and application information. A3-7 B2 C22-26 T2 T6-7 X1</p>	lb ae/gal	lb ai/gal	0.38 ae	0.57 ae	0.75 ae	3	4	= 16 fl oz	24 fl oz	32 fl oz	4/4.17	5.4/5.1	= 12 fl oz	18 fl oz	24 fl oz	4.5	5.5	= 11 fl oz	16 fl oz	22 fl oz	5	6.1	= 10 fl oz	15 fl oz	20 fl oz
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2,4-D ester For HRS, Durum, and Winter Wheat, Barley, and Rye	1.5 to 3 pt 4EC/SL (0.75 to 1.5 lb ae)	Broadleaf weeds.	Wheat: Dough stage to harvest.	Use only when the weeds will interfere with harvest operations. Do not feed straw to livestock. Use only 2,4-D brands labeled for preharvest application. CAUTION: Drift to broadleaf crops is especially hazardous at this time. C22-26 T4-6 X1																									
Banvel / generic dicamba + 2,4-D For HRS, Durum, and Winter Wheat Only	0.5 to 1 pt + 1 to 2 pt 4EC/SL (0.25 to 0.5 lb ae + 0.5 to 1 lb ae)		Wheat: Hard-dough stage and green color is gone from the nodes (joints) of the stem.	Allow a 7 day PHI. Do not feed treated straw to livestock. CAUTION: Drift to broadleaf crops is especially hazardous at this time. A3 A6 C2 C22-26 T5-6 X1 Y10																									
thifen & tribenuron 4:1 ratio 75DF Affinity T/M 50SG 3:1 Audit 75DF 2:1 ratio 75DF 1:1 ratio 75DF Affinity B/S 50SG	0.6 to 1 oz DF 0.4 to 0.66 oz SG 0.3 to 0.5 oz DF 0.3 to 0.66 oz DF 0.25 to 0.5 oz DF 0.4 to 0.8 oz SG	Provides a broader spectrum of control than either a.i. alone. Choose ratio based on prevalent weeds.	Wheat and barley: Dough stage. Allow a 10 day PHI.	May be applied with glyphosate, 2,4-D, Aim, or fluroxypyr. Add NIS at 0.25% v/v. Refer to label for grazing restrictions. Use only registered brands for preharvest application. A3 A5-6 C3																									
Ally / generic metsulfuron + 2,4-D For HRS, Durum, and Winter Wheat and Barley Only	0.1 oz DF + 1.5 to 3 pt 4EC/SL (0.06 oz + 0.75 to 1.5 lb ae)			For use in wheat/fallow or continuous wheat. Do not use if crop was treated previously with an ALS herbicide. Add NIS at 0.25% v/v. May be tank-mixed with dicamba in wheat for resistant weed management. Metsulfuron has no grazing restrictions. Refer to 2,4-D label for grazing restrictions and for brands labeled for preharvest application. A3 A5-6 C5 C24 Y3 Pages: 102-103, 108-110																									

Pages 102-103 = Herbicide resistance, Pages 104-105 = Generic and commercial names, Pages 108-110 = Crop rotation restrictions.