

CHEMICAL FALLOW

For Future Planting of Registered Crops.

Herbicide	Product/A (ai/A)	Weeds	When to Apply	Remarks and Paragraphs																																								
Glyphosate ⁹	0.75 to 1.5 lb ae See Remarks.	Annual and perennial grass and broadleaf weeds.	Weeds: Less than 12 inches tall. See label.	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">lb ae/gal</th> <th style="text-align: left;">lb ai/gal</th> <th style="text-align: left;">0.75 lb ae</th> <th style="text-align: left;">1.125 lb ae</th> <th style="text-align: left;">1.5 lb ae</th> </tr> <tr> <th colspan="2"></th> <th colspan="3" style="text-align: center;">fl oz</th> </tr> </thead> <tbody> <tr> <td>3</td> <td>= 4</td> <td>= 32</td> <td>48</td> <td>64</td> </tr> <tr> <td>3.75</td> <td>= 5</td> <td>= 25.6</td> <td>38.4</td> <td>51.2</td> </tr> <tr> <td>4/4.17</td> <td>= 5.4/5.1</td> <td>= 24/23</td> <td>36/35</td> <td>48/46</td> </tr> <tr> <td>4.5</td> <td>= 5.5</td> <td>= 21.3</td> <td>32</td> <td>42.6</td> </tr> <tr> <td>4.72</td> <td>= 6.3</td> <td>= 20.3</td> <td>30.5</td> <td>40.7</td> </tr> <tr> <td>5</td> <td>= 6.1</td> <td>= 19.2</td> <td>28.8</td> <td>38.4</td> </tr> </tbody> </table> <p>Non-selective, non-residual, translocated, foliar herbicide. Apply with AMS fertilizer at 8.5 lb/100 gal. Glyphosate will not control resistant volunteer crops. Apply with 2,4-D or Banvel/dicamba for improved broadleaf weed control. Refer to label of tank-mix partner for rates, application information, and other restrictions. A4-7 B1 B8</p>	lb ae/gal	lb ai/gal	0.75 lb ae	1.125 lb ae	1.5 lb ae			fl oz			3	= 4	= 32	48	64	3.75	= 5	= 25.6	38.4	51.2	4/4.17	= 5.4/5.1	= 24/23	36/35	48/46	4.5	= 5.5	= 21.3	32	42.6	4.72	= 6.3	= 20.3	30.5	40.7	5	= 6.1	= 19.2	28.8	38.4
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Sharpen + MSO adjuvant (saflufenacil ¹⁴)	1 to 2 fl oz SC + 1 to 1.5 pt/A (0.36 to 0.72 oz)	Small broadleaf weeds.	Fallow and post-harvest.	Provides burndown control of small emerged broadleaf weeds. Apply when weeds are small and actively growing. Add UAN at 2 gal/100 gal. Sharpen has no grass activity. Planting interval is dependant on soil texture and OM. Refer to label for tank-mix options. A1-2 B1-2 B12 S1 S4-12																																								
Spartan Charge (carfentrazone ¹⁴ & sulfentrazone ¹⁴)	3.75 to 5.75 floz SE (0.16 to 0.25 oz & 1.48 to 2.26 oz)	Small-seeded broadleaf weeds.		Do not use on coarse texture soils or soil with <1.5% OM. Adjust rate for soil type and soil pH. Rainfall required for activation. A1-2 E11 F1 S6-12 Y14-15																																								
Aim + MSO adjuvant (carfentrazone ¹⁴)	0.5 to 1 fl oz EC + 1 qt/A (0.128 to 0.256 oz)	Broadleaf weeds including pigweed and ALS kochia.	Weeds: Less than 2 inches tall.	Non-residual, contact herbicides that require >15 gpa and full sunlight. Apply paraquat with NIS at 1 qt/A. Do not use AMS replacement or water conditioner adjuvants with Liberty. B4 B9-10 D7																																								
Paraquat ²² + NIS	1.5 to 4 pt 2SL 1 to 2.7 pt 3SL (0.375 to 1 lb)	Emerged annual grass and broadleaf weeds.	Weeds: Small.																																									
Liberty 280 + AMS (glufosinate ¹⁰)	32 to 43 fl oz SL + 3 lb/A (0.58 to 0.79 lb)																																											
Thifen ² & Triben ² 4:1 ratio - Affinity T/M 3:1 ratio 2:1 ratio 1:1 ratio - Affinity B/S 1:4 ratio - Panoflex	0.4 to 0.67 oz 75DF 0.6 to 1 oz 50SG 0.3 to 0.5 oz 75DF 0.3 to 0.66 oz 75DF 0.25 to 0.5 oz 75DF 0.4 to 0.8 oz 50SG 0.3 to 0.6 oz 50SG	Provides a broader spectrum of control than either a.i. alone. Choose ratio based on prevalent weeds.	Any time after harvest until 60 days prior to planting crop.	Add NIS at 2 qt/100 gal water unless restricted by the tank-mix partner. Products containing tribenuron give season-long Canada thistle and perennial sowthistle control. A3 A5-8																																								
2,4-D ⁴	1.5 to 4 pt 4EC/SL (0.75 to 2 lb)	Broadleaf weeds and suppression of Canada thistle.	POST.	Use the higher rate for perennial weeds. A3 A6 B3																																								
Dicamba ⁴	0.5 to 1 pt 4SL 3.2 to 6.4 fl oz 5SL (0.25 to 0.5 lb)			Soil residual from fall application may damage broadleaf crops seeded the next year. See page 6 for crop rotation restrictions. A3 A5-8 B6 C3 Y9 Y15																																								
Distinct (dicamba ⁴ & diflufenzopyr ¹⁹)	6 oz WDG (3 oz ae & 1.2 oz) Distinct at 6 oz WDG/A = 6 fl oz/A Clarity.			Add oil adjuvant at 1 to 2 pt/A + 28% UAN at 1.25 qt/A or AMS at 8.5 lb/100 gallons. Refer to label for tank-mix options. Allow 120 days before rotation to crops. Alfalfa, cereal grain crops, and soybeans may be planted 30 days after 1 inch of rain for rates at 4 oz/A or less. A3 A5-8 B6 C3 Y9 Y15																																								

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Curtail / generic clopyralid ⁴ & 2,4-D ⁴	4 pt SL (0.19 lb & 1 lb)	Broadleaf weeds including Canada thistle.	Canada thistle: Prior to bud stage.	Apply after a majority of rosettes have emerged. A3 A6 C5 T3 T5-6 Y15
Tordon 22K (picloram ⁴) RUP	0.25 to 0.5 pt SL (0.063 to 0.125 lb)	Annual weeds.	Weeds: Actively growing.	Refer to label for grazing and rotational restrictions. Do not rotate to corn or sorghum the following year. Rates greater than 0.5 pt/A should be used post-harvest when rotating to fallow the following year. T2-6 T17 Y1 Y15
Tordon 22K (picloram ⁴) + 2,4-D ⁴ RUP	0.5 to 1 pt SL + 1 to 2 pt EC/SL (0.125 to 0.25 lb + 0.5 to 1 lb)	Perennial weeds.	Canada thistle: Prior to bloom. Field bindweed: Actively growing.	
Facet L + MSO adjuvant (quinclorac ^{4,26})	1.33 pt L + 1.5 pt/A (0.25 lb)	Field bindweed: Runners at least 4 inches long. May control foxtails, barnyardgrass, and volunteer flax.	Postharvest or in the spring prior to seeding of wheat including durum.	Add AMS at 2.5 lb/A or UAN at 1 gal/A. Apply after harvest but prior to frost. Use in a 3-year program with 0.33 lb DF/A the first year and 0.17 to 0.33 lb DF/A in following years. B10 T1
Valor SX Valor EZ (flumioxazin ¹⁴)	2 to 4 oz WDG 2 to 4 fl oz SC (1.02 to 2.04 oz)	Most small-seeded broadleaf weeds. May suppress downy brome at 3 oz in no-till.	Post-harvest in fall until 30 days prior to planting. Refer to page 6.	Apply in fall with glyphosate or 2,4-D for control of emerged vegetation. A1-2 B1-2 E12