

**Burndown for zone/no-tillage, glyphosate-resistant (Roundup Ready) soybeans.**

Situation	Amount of Product(s) per Acre	Remarks and Limitations
Previously cropped	22 fl. oz. Roundup PowerMax or 24 fl. oz. Durango DMA or 24 fl. oz. Touchdown Total	<b>GROUP 9 HERBICIDES</b> • If significant weed cover is present at planting, a burndown herbicide should be used before or at planting no-tillage, glyphosate-resistant soybeans. A second application of glyphosate should be made 24 to 30 days after planting. If weed cover is minimal, a burndown herbicide may not be needed. Where a single glyphosate application is made for burndown and for postemergence weed control in no-tillage, glyphosate-resistant soybeans, research suggests this application should be made 15 to 24 days after planting. Residual herbicides are not needed in some situations.
	22 fl. oz. Roundup PowerMax or 24 fl. oz. Durango DMA or 24 fl. oz. Touchdown Total + 2 oz. Valor SX	<b>GROUP 9 and 14 HERBICIDES</b> • Apply Valor SX with these or other glyphosate products before planting or within 3 days after planting, <b>but before the soybeans emerge</b> , Apply with crop oil concentrate or methylated seed oil to assist with control of emerged weeds. Valor SX will enhance burndown and provide residual control of many annual broadleaf weeds including common lambsquarters and common ragweed.
	22 fl. oz. Roundup PowerMax or 24 fl. oz. Durango DMA or 24 fl. oz. Touchdown Total + 2.5 oz. Valor XLT	<b>GROUP 2, 9 and 14 HERBICIDES</b> • Apply Valor XLT with these or other glyphosate products before planting or within 3 days after planting, <b>but before the soybeans emerge</b> , Apply with crop oil concentrate or methylated seed oil to assist with control of emerged weeds. Valor XLT will enhance burndown and provide residual control of many annual broadleaf weeds including common lambsquarters and common ragweed.
	2 oz. *†OpTill	<b>GROUP 2 and 14 HERBICIDES</b> • Apply preplant or preemergence with methylated seed oil and an ammonium nitrogen fertilizer according to the label. *†OpTill may be tank-mixed with glyphosate for broad-spectrum burndown. Do not apply once soybeans have reached the cracking stage or after emergence. Follow with a postemergence application of glyphosate 24-30 days after planting glyphosate-resistant soybeans. *†OpTill will provide residual control of many annual broadleaf weeds including common lambsquarters.
	3-4 pt. *Gramoxone SL 2.0	<b>GROUP 22 HERBICIDE</b> • Apply preplant if significant weed cover is present at planting. If weed cover is minimal, a burndown herbicide may not be needed. Follow with an application of glyphosate 24 to 30 days after planting.
<b>Problem Weed</b> Dandelion	0.38-0.5 oz. Express + 1 pt. of 3.8 lb./gal 2,4-D LVE	<b>GROUP 2 and 4 HERBICIDES</b> • Apply to zone/no-tillage fields in spring at least 14 days before planting soybeans. Add crop oil concentrate according to label. An ammonium nitrogen fertilizer can be added to enhance control. These herbicides may be tank mixed with glyphosate for broad spectrum burndown.

\*Restricted-use pesticide; may be purchased and used only by certified applicators or used by someone under the direct supervision of a certified applicator.

• Refer to Section 6.7.1 for information on herbicide resistance management and site of action groups.