



Pre-Harvest Roundup PowerMAX® Herbicide Applications on Grain Sorghum

KEY POINTS

- Grain sorghum nearing maturity can persist in production fields, remaining green throughout harvest.
- In warmer climates, producers are unable to wait for frost to desiccate these plants.
- A preharvest application of Roundup PowerMAX® herbicide can be made to help hasten grain drydown and aid with weed control and plant desiccation for ease of harvest.

Why Use a Pre-Harvest Application of Roundup PowerMAX® Herbicide?

- Desiccation of foliage can allow for earlier harvest.
- Grain moisture at harvest may be reduced.
- Less green matter can help increase harvest efficiency.
- Late-season weed control can help reduce late-season weed seed production.
- Late-season water uptake from the sorghum and weeds may be reduced, resulting in more soil moisture for the next crop.

Application Restrictions

Roundup PowerMAX® herbicide should not be used pre-harvest on sorghum grown for seed, as reduction in germination or vigor may occur.

After an application of Roundup PowerMAX®, sorghum should not be harvested for a minimum of 7 days and it may take from 2 to 3 weeks for the herbicide to completely kill the sorghum plant.

When applying Roundup PowerMAX® herbicide pre-harvest, if grain sorghum is drought-stressed, diseased, or lush due to irrigation, it is recommended to increase the application towards the higher end of the labeled herbicide rate and add a full rate of AMS (17 lbs/ 100 gal of spray solution). Avoid a pre-harvest application of Roundup PowerMAX® if sorghum is infected with charcoal rot as lodging may occur.

Roundup PowerMAX® Pre-Harvest Application Recommendations for Grain Sorghum

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| When | Apply Roundup PowerMAX® when grain sorghum is at 30 percent moisture or less. |
| Rate | <p>Apply Roundup PowerMAX® at 22 to 32 fl oz/acre. Do not apply more than 44 fl oz/acre.</p> <ul style="list-style-type: none"> • By ground application equipment 5 to 10 gal/acre. • By aerial application at 3 to 5 gal/acre. <p>Add ammonium sulfate (AMS) at 8.5 to 17 lbs per 100 gal of spray solution.</p> |
| Restrictions | Allow a minimum of 7 days between application and harvest of grain sorghum. |

Sources: 1 Grain Sorghum Production Handbook. Kansas State University Agricultural Experiment Station and Cooperative Extension Service. May 1998. C-687. <https://www.bookstore.ksre.ksu.edu/pubs/C687.pdf>. Web source verified 05/09/19.

Performance may vary, from location to location and from year to year, as local growing, soil and weather conditions may vary. Growers should evaluate data from multiple locations and years whenever possible and should consider the impacts of these conditions on the grower's fields. **ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS.** Roundup PowerMAX® is a registered trademark of Bayer Group. All other trademarks are the property of their respective owners. ©2019 Bayer Group. All rights reserved.