

Agricultural Beet

April 5th 2022

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Roundup PowerMAX® 3 vs Roundup PowerMAX What's the Difference??

As everyone probably already knows, there is a new formulation of glyphosate from Bayer called Roundup PowerMAX 3. This new formulation has a higher concentration of glyphosate acid equivalent-per-gallon. With a higher concentration of acid equivalent, the labeled application rates have been reduced as well as the labeled maximum product allowed during the season (see tables below).



Maximum Application Rates	
Combined total per year for all applications	5.3 quarts per acre
Total for all Preplant, At-Planting, Preemergence applications	3.3 quarts per acre
Maximum single application rate from emergence to 8-leaf stage	32 fluid ounces per acre
Total for all applications made from emergence to 8-leaf stage	56 fluid ounces per acre
Maximum single application rate between 8-leaf stage and canopy closure	22 fluid ounces per acre
Total for all applications made between 8-leaf stage and canopy closure	44 fluid ounces per acre

Maximum Application Rates	
Combined total per year for all applications	5 quarts per acre
Total for all Preplant, At-Planting, Preemergence applications	3.1 quarts per acre
Maximum single application rate from emergence to 8-leaf stage	30 fluid ounces per acre
Total for all applications made from emergence to 8-leaf stage	50 fluid ounces per acre
Maximum single application rate between 8-leaf stage and canopy closure	20 fluid ounces per acre
Total for all applications made between 8-leaf stage and canopy closure	40 fluid ounces per acre

With both old and new product around in 2022 please be diligent in which product is being used. Please review the tables above to make sure that your operation is using the appropriate application rates for the stage of the sugar beet crop and also observing the maximum use limits. Many growers may also be using other glyphosate products. Be sure to read the label and follow the use rates for those products as they will likely be different than PowerMAX. Something that is also worth mentioning is that the amount of acid equivalent between PowerMAX and PowerMAX 3 are not necessarily equal at the labeled use rates. **Be sure to follow the label for the product that you are using.**

PowerMAX	PowerMAX 3
32 fl oz	30 fl oz
28 fl oz	25 fl oz
22 fl oz	20 fl oz

Contact your agriculturist with any questions or reach out to David Mettler via email at david.mettler@smbc.com or by phone at 320-522-3826.



Comparable sugar beet use rates between labels.