

## SUGARCANE RIPENER

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### Early Season Variety Response to Glyphosate Ripener

On August 31, 2016, 5.3 oz/a of Roundup PowerMax II was applied to experimental plots in St. Gabriel. The experimental design was a randomized complete block with 3 replications. Varieties included in the experiment were HoCP 96-540, L 01-299, Ho 07-613, HoCP 04-838, and HoCP 09-804. The experiment was hand harvested on September 28th, 28 days after glyphosate treatment. A 10-stalk sample from each plot was processed using Spectra Cane NIR to determine variety TRS. TRS was increased by 8.3, 9.3, 7.8, 20, and 6.5% for HoCP 96-540, L 01-299, Ho 07-613, HoCP 04-838, and HoCP 09-804, respectively (Table 1).

Table 1. Effect of Roundup PowerMax II on TRS for 5 commercial varieties at the Sugar Research Station in St. Gabriel, LA in 2016 first stubble.

Variety	Check	TRS (lb/ton)	
		5.3 oz/a PowerMax II <sup>1</sup>	% Increase
HoCP 96-540	241	261	8.3
L 01-299	248	271	9.3
Ho 07-613	268	289	7.8
HoCP 04-838	250	300	20.0
HoCP 09-804	276	294	6.5

<sup>1</sup> Treatments applied 8/31/16 and hand harvested 9/28/16.