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## Growth Regulator Tolerant Crops

Agriculture is abounding with genetics. Since 1996 and the release of Roundup Ready soybean agricultural genetics have been leaping and bounding into new territory. This last year, Monsanto released that they were working on a dicamba-tolerant soybean. This search for a dicamba tolerant soybean is partially in response to the development of glyphosate-resistant weeds such as giant ragweed and horseweed (marestail)<sup>1</sup>. The inclusion of growth regulators to diversify herbicide mode of action could decrease the potential or slow herbicide resistance development. Furthermore many soybean fields show cupped and strapped leaves every growing season due to growth regulator applications made in corn. The development of tolerant soybean to these herbicides would decrease this common symptom. However, it might be important to say that sensitive crops such as tomato, and grapes are present.

Most recently, Dow Agrosciences announced at the Farm Progress Show that they also are working on a growth regulator tolerant line of genetics that will be tolerant to 2,4-D "as well as aryloxyphenoxypropionate 'fop' grass herbicides" <sup>2</sup>. Both technologies are not available now, but in the testing phase. Dow Agrosciences reported that the technology would be available in 2012<sup>2</sup>.

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- 1) New Results From Southern Hemisphere Field Testing Confirm Momentum in Monsanto's R&D Pipeline. Accessed August 9th, 2007. [<http://monsanto.mediaroom.com/index.php?s=43&item=514>]
  - 2) Dow AgroSciences Reveals Progress on New Herbicide Tolerance Trait. August 28th, 2007. [<http://www.dowagro.com/newsroom/corporatenews/2007/20070828a.htm>]

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