

TABLE BEET RESEARCH REPORT—2013

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The search for new herbicides for table beets continues here and across the country. The need was discussed with researchers at the recent IR-4 Food Use Workshop and to date, none of us have found reliable possibilities. The field trial conducted at the H. C. Thompson Research Farm this year repeated evaluation of Zidua and a new herbicide, acetochlor (Warrant) that has recently been registered in New York for corn. The trial received heavy rainfall as the beet crop was emerging and as a result stands were significantly reduced in several treatments with currently registered products as well as with the new ones (Table 1). Yields, as weight/80' of row, were not reduced except in the case of the high rate of Zidua. However, due to the high reduction in stands in several cases, the high weights were the result of a smaller number of beets but of increased size. Weed control with Zidua and Warrant was better than with the currently registered herbicides.

Table 1: Evaluation of Preemergence Herbicides in Beets (Var. 'Redace') in 2013

Herbicides	Rate	Decreased Stand	Weed Control 6/24	Yield
		(%)	(%)	(lb/80ft)
Handweeded		0	99	44
Dual Magnum	12oz	20	74	36
Nortron	1lb	10	50	40
Prowl H ₂ O	1.25pt	50	47	3
Zidua	1oz	88	96	38
Zidua	2oz	99	99	11
Warrant	0.9pt	0	87	49
Warrant	1.8pt	73	86	45
Command	1.3pt	83	79	39