

ALLISON, D. A., T. S. ULRICH, W. S. WILMS, J. L. PACHECO,
G. L. LEEK, E. I. du Pont de Nemours & Company, Incorporated
Wilmington, DE and J. P. CLAUDE, K. GRAHAM, Du Pont de
Nemours (France) S.A. Paris, France - DPX 66037 - review of
results in sugar beet from U.S. and Europe.

Current weed control programs in sugar beet on both sides of the Atlantic depend on several applications with increasing post emergence tank mix combinations to achieve broad spectrum, long term weed control. Trials with Du Pont's new post-emergence sulfonylurea herbicide DPX 66037 have demonstrated control of a wide range of important weeds in sugar beet including *Amaranthus retroflexus*, *Abutilon theophrasti*, *Kochia scoparia*, *Sinapis arvensis*, *Matricaria* species, *Brassica napus*, *Helianthus annuus*, and *Aethusa cynapium*. Good crop safety has been demonstrated with this compound which is applied post-emergence at 7-10 day intervals using 10-20 g a.i./ha normally in tank mix with desmedipham/phenmedipham or phenmedipham. Toxicology and environmental fate studies are very favorable for this low rate product. Development in 1993 will continue to assess the value of this new product for reducing total herbicide use rates, providing broader spectrum weed control of economically important species and achieving cost-effective control until harvest with less reliance on hand labor.