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## ABSTRACTS

Hernandez, T. J., W. H. Hudson, and T. T. Rushing. 1975. **A progress report on DPX 1108 brush control agent**. Northeastern Weed Science Society Proceedings 29: 325.

"Krenite" (DPX 1108) (ammonium ethyl carbamoylphosphonate) a plant growth regulant has been extensively tested by DuPont Field Test Personnel in the northeastern United States during the last two years. It is promising for control of several brush species of economic importance on rights-of-ways on railroads, utilities, pipelines, drainage systems and roadsides. Rates of 6 to 10 pounds active/acre applied via standard application techniques, one to two months before leaf senescence (usually August or September) has been effective on such troublesome species as pines (*Pinus* spp.), oaks (*Quercus* spp.), black locust (*Robina* spp.), hawthorn (*Crataegus* spp.), sumac (*Rhus* spp.), blackberry (*Rubus*) and maple (*Acer*).

Medicky, E. J. 1975. **Aerial application of herbicide pellets for brush control on power line rights-of-way**. Northeastern Weed Science Society Proceedings. 29: 331-335.

The on-target application of Tordon 10 K (4-amino-3,5,6-trichloropicolinic acid) pellets from aircraft poses increasing difficulties as flying height and speed increase. In 1973, Ontario Hydro evaluated three pellet dispersal systems in order to arrive at a system which could deliver 35 to 50 lbs product (3.5 to 5.0 lbs ai) on target from flying heights ranging from 100 to 300 feet. The Grumman Venturi and the Field Aviation Pellet Dispersal Systems indicated that good dispersal was provided with respect to swath width distribution, and delivery rate. Difficulties were encountered with respect to swath width and delivery rate in the Simplex Seeder System. Further development work of the three systems is planned in 1974.