



W. H. Earle, director of the Papago Park garden, points out dark red cactus flowers.

a contractor to do the work, said another panelist.

"Often they don't get the quality of work they expected," said W. Roland Shannon, Shannon Tree Service, Milford, Pa.

"They need to remember that the contractor is a representative of the utility he's working for."

Shannon sees a public relations bonus for the utility or tree company that can find a way to decrease the visual brown out from brush-killing materials such as 2,4,5-T.

Safety awards were presented to Farrens Tree Service, Jacksonville, Fla.; Charles F. Irish Co., Warren, Mich., and Landscape Foresters, Ltd., Bronxville, N. Y.

### USDA Bans Aldrin, Dieldrin For Aquatic Environments

USDA on Mar. 9 canceled federal registrations for all uses of aldrin and dieldrin insecticides in aquatic environments" in an effort to further reduce pollution of the nation's water resources and potential contamination of fish and other aquatic life."

ARS cancellation of aquatic uses includes all uses in marshes, wetlands, and adjacent areas including treatments for control of mosquito larvae, filter fly larvae in sewage systems, and tabanid larvae in outdoor areas.

Individual product cancellations

take effect 30 days after manufacturers receive cancellation letters from ARS.

### Hybrid Spruce Developed At Michigan State University Has Fast Early Growth

A new hybrid spruce has been developed at Michigan State University that combines the early growth characteristics of the white spruce with the ornamental qualities of the blue spruce.

The hybrid was developed from a new cross between blue spruce and white spruce, reports Dr. James Hanover, Michigan State University forestry researcher.

The blue spruce is known for its ornamental qualities of form, appearance and drought resistance. Blue spruces are also used for Christmas trees and windbreaks, but are slow growing in their juvenile stage (the first 10 years). The white spruce is primarily a timber tree, fast growing in both its early and late stages.

Dr. Hanover has grown some of the new hybrid spruces to a height of 24 inches in less than two years under greenhouse cover. This year, although he will produce enough seedlings for further intensive testing in nurseries and plantations, he will not have seed for large-scale release of them, he reports.

The hybrid was produced from man-made crosses because white spruce and blue spruce do not grow together naturally due to their adaptation to different climates.

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