

II. Specifications and manufacturers of electronic components of the intermittent mist system.

Component	Specifications	Manufacturer	Model No.
Safety switch	30 A, 240 V AC, 3-pole knife, single throw	Square D Company 4335 Valley Blvd. Los Angeles, CA 90032	D321-NRB
Motor starter	NEMA size 00, 3 pole, 3 phase	Dayton Electric Manufacturing Co., W. W. Grainger, Inc. 5959 W. Howard St. Chicago, IL 60648	5X153B
Time switch	40 A, 240 V AC, 24-hr. repeating, single pole, single throw	Same as above	2E021
Time switch	20 A, 240 V AC, 6-min. repeating, 6-sec. increments	Tork 100 Grove Street Mount Vernon, NY 10550	8061
Relay	10 A, 120 V AC, 3-pole, double throw, 11-pin configuration	Cornell-Dubilier Electronics Corp. 1605 E. Rodney French Blvd. New Bedford, MA 02744	323A10-115
Liquid level control switch	120 V AC	Johnson Controls, Inc. 1250 E. Diehl Rd. Naperville, IL 60540	F59
Wall switch	15A, 120 V AC	Unknown	

LITERATURE CITED

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WESTERN REGION 1984 CURTIS J. ALLEY MERIT AWARD

*Presented by Robert Weidner, Western Region
President, at the Western Region Annual Banquet*

The recipient of the 1984 Award of Merit received his B.S. degree in Nursery Management from Oregon State University in 1950, followed by an M.S. degree in Pomology from Michigan State University in 1951 and the Ph.D. degree in Pomology from the same institution in 1953.

He was immediately hired by the University of Massachusetts where he served as assistant professor from 1953 to 1957, then associate professor from 1957 to 1959. That year he returned to Oregon State University as associate professor, advancing to full professor in 1967.

Our recipient has been a member of the IPPS since 1955 and was a charter member in the founding of the Western Region in 1960. He was Western Region president in 1967-68. He has worked on Membership, Long Range Planning, and Convention Planning Committees.

He has also been very active in the American Rhododendron Society, serving on the National Board of Directors, and as the Society's Secretary-Treasurer, and as President.

Our recipient has received many award and honors, among them being:

Gold Medal, American Rhododendron Society

Honorary Membership, Oregon Holly Growers Assoc.

Research Achievement Award, Oregon Association of Nurserymen

Horticultural Achievement Award, Oregon Federation of Garden Clubs

Horticultural Achievement Award, National Council of State Garden Clubs

Jackson Dawson Gold Medal, Massachusetts Horticultural Society.

It is a great honor to announce our 1985 Award of Merit recipient as Dr. Robert L. Ticknor, Professor of Horticulture, Oregon State University, North Willamette Experiment Station, Aurora, Oregon.

PRINCIPLES OF PLANT FREEZING RESISTANCE AND INJURY

C. J. WEISER

*Department of Horticulture
Oregon State University
Corvallis, Oregon 97331*

Water Properties: The unique properties of water are of central importance in plant freezing processes. Pure water freezes at 0°C or 32°F. Impurities depress the freezing point of plant tissue water, by 1° to 2°C in most plants. Additionally the water in some plant tissues supercools substantially below its actual freezing temperature.