

WEEDS

JOURNAL OF THE WEED SOCIETY OF AMERICA

CONTENTS

	<i>Page</i>
Effect of Sunlight on the Phytotoxicity of Some Phenylurea and Triazine Herbicides on a Soil Surface. R. D. Comes and F. L. Timmons	81
Reproductive Cycles of Wild Garlic and Nomenclature of Plant and Bulb Types. Frank S. Davis and Elroy J. Peters	84
Synergistic and Antagonistic Combinations for Broadening Herbicidal Selectivity. S. R. Colby, T. Wojtaszek, and G. F. Warren	87
DCPA in Host-Parasite Relations of Alfalfa and Dodder. D. E. Bayer, E. C. Hoffman, and C. L. Foy	92
Herbicidal Effects of Sodium and Potassium Azides on Mugwort. L. L. Danielson	96
Root Moisture Extraction Profiles of Various Weeds. R. G. Davis, A. F. Wiese, and Joe L. Pafford	98
The Movement and Phytotoxicity of Monuron in Palouse Silt Loam Soil. Lambert C. Erickson	100
Influence of Surfactants on the Activity of Diuron, Linuron, and Bromacil as Foliar Sprays on Weeds. G. D. Hill, Jr., I. J. Belasco, and H. L. Ploeg	103
Absorption and Translocation of Atrazine in Quackgrass. L. M. Wax and R. Behrens	107
The Susceptibility of Annual Weeds and Canada Thistle to MCPA Applied at Different Times of Day. M. L. Weaver and R. E. Nylund	110
Phosphorus Fertilization and the Phytotoxicity of Simazine. Russell S. Adams, Jr.	113
Effects of Structural Variations in Ionic Surfactants on Phytotoxicity and Physical-chemical Properties of Aqueous Sprays of Several Herbicides. L. L. Jansen	117
Herbicidal and Surfactant Properties of Long-chain Alkylamine Salts of 2,4-D in Water and Oil Sprays. L. L. Jansen	123
Weed Control in Castorbeans. O. C. Burnside and D. L. Kittock	130
The Absorption, Translocation, and Fate of Amiben in Soybeans. Dean G. Swan and F. W. Slife	133
A Vapor Trapping Apparatus for Determining the Loss of EPTC and Other Herbicides from Soils. Reed A. Gray	138
Factors Affecting the Vapor Loss of EPTC from Soils. Reed A. Gray and Andre J. Weierich	141
The Sensitivity of Duckweeds (Lemnaceae) and Azolla to Diquat and Paraquat. R. D. Blackburn and L. W. Weldon	147
Paraquat-Surfactant Combinations for Control of Downy Brome. Raymond A. Evans and Richard E. Eckert, Jr.	150
Residue Studies of Tomato Foliage and Fruits from Plants Receiving PEBC-C ¹⁴ Pre- or Post-Emergence. S. C. Fang and Elizabeth Fallin	152
Characteristics and Control of Camelthorn. Harold D. Kerr, W. C. Robocker, and T. J. Muzik	156
Relationship between Light and Toxicity Symptoms Caused by Atrazine and Monuron. Floyd M. Ashton	164
Brief Papers	
Effects of Chlorophenoxy Herbicides on Soybeans. Roy J. Smith, Jr.	168
Herbicides on Bluegrass. R. K. N. Singh and R. W. Campbell	170
A Technique for Controlled Exposure of Emerging Grass Seedlings to Soil-Active Herbicides. Arnold P. Appleby and W. R. Furtick	172
Residues in Soil One Year after Herbicides Were Applied to Sorghum. G. A. Wicks and O. C. Burnside	173
Book Review: Style Manual for Biological Journals	175
Report of the WSA Weed Control Films Committee	175
News Notes	181
Sustaining Members	182

VOLUME 13
APRIL 1965
NUMBER 2

WEEDS

Issued Quarterly by the Weed Society of America

C. J. WILLARD, *Editor*, The Ohio State University, 1827 Neil Ave., Columbus,
Ohio 43210

FRED W. SLIFE, *Treasurer-Business Manager*, Agronomy Department,
University of Illinois, Urbana

EDITORIAL COMMITTEE

E. K. Alban, Department of Horticulture, The Ohio State University,
1827 Neil Ave., Columbus, Ohio 43210

W. C. Bramble, Department of Forestry and Conservation, Purdue Uni-
versity, Lafayette, Indiana

D. E. Davis, Department of Botany and Plant Pathology, Auburn Univer-
sity, Auburn, Alabama

C. L. Foy, Department of Botany, University of California, Davis, California

R. A. Peters, Department of Plant Science, University of Connecticut,
Storrs, Connecticut

D. W. Staniforth, Department of Botany and Plant Pathology, and of
Agronomy, Iowa State University, Ames, Iowa

R. P. Upchurch, Department of Crop Science, North Carolina State, Raleigh,
North Carolina

WEEDS is a quarterly journal published by the Weed Society of America. The sub-
scription price is \$12.00 yearly for four issues; single copies \$3.00.

Address all communications regarding subscriptions and reprints to F. W. Slife, Depart-
ment of Agronomy, University of Illinois, Urbana, Illinois. All checks, money orders,
and other remittances should be made payable to the Weed Society of America.

The editorial office is located at The Ohio State University, 1827 Neil Avenue, Colum-
bus, Ohio 43210. Inquiries concerning manuscripts and other materials for publication
should be addressed to the editorial office.

Printing is by the W. F. Humphrey Press, Inc., Geneva, New York.

To join the Weed Society of America: Send remittance of \$10.00, payable to the
Weed Society of America, to Dr. F. W. Slife, Department of Agronomy, University of
Illinois, Urbana, Illinois. Give name, official position (if any) and complete address.
Dues are for the calendar year only.

Entered as second-class matter at the post office at Urbana, Illinois,
with additional entry at Geneva, New York.