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Plant Responses to Salinity

A Supplement to an Indexed Bibliography

By

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ABSTRACT - PLANT RESPONSE TO SALINITY: A SUPPLEMENT
TO AN INDEXED BIBLIOGRAPHY

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This supplement to a computer-based bibliography on salt and boron effects on whole plants contains 1,001 literature citations (ARM-W-6, issued October 1978); the complete bibliography now contains 3,358 citations covering the period from 1900 to 1984. Keywords for each citation cover plants studied, experimental materials and methods used, treatments and variables evaluated, and results and data obtained. Computer-generated indexes allow rapid identification of desired entries by plant name or subject.

PREFACE

This computer-based bibliography was first published in 1978 to provide ready access to literature citations on plant responses to salinity and boron from 1900 to 1977 (ARM-W-6, issued October 1978). Since then, 1,001 additional citations have been added to the bibliography. These citations, which cover the period from 1977 to 1984, as well as some citations missed prior to 1977 are included in this supplement. Like the original bibliography, it lists publications dealing primarily with whole plants. Physiological and biochemical studies of salt effects on plant tissues and constituents were omitted.

All publications were reviewed for specific information on the plants studied, experimental materials and methods used, treatments and variables evaluated, and the results and data obtained. This information is included in the bibliography in the form of keywords. A computer-generated index allows rapid identification of the desired entries by plant names or by subject.

The bibliography was compiled on FAMULUS, a computer-readable literature retrieval system developed by Dr. Hilary Burton (USDA Forest Service Research Note PSW-193, 1969). Corrections and additions to this data base are being made continuously. We respectfully request that users bring any errors and omissions to our attention. It is our intention to keep this bibliography current and accurate through periodic revisions. To facilitate this task, we solicit reprints of any new papers published on this subject. Our address is U.S. Salinity Laboratory, USDA-ARS, 4500 Glenwood Drive, Riverside, Calif. 92501.

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INSTRUCTIONS FOR USE

Bibliographic Format

The citations are listed alphabetically by author and appear in the following order: Citation number; authors; title; language of article (other than English); journal name, volume, page numbers, and year; common plant names; botanical names; and keywords that describe methods, treatments, and results. The keyword categories are separated by double spaces.

Language Abbreviations

The following abbreviations are used to indicate the language of papers not published in English. Where English summaries were included, they are indicated by the abbreviation, ENG SUM.

AFR	Afrikaans	ITA	Italian
ARA	Arabic	JAP	Japanese
ARM	Armenian	KOR	Korean
CHI	Chinese	NOR	Norwegian
CZE	Czech	POL	Polish
DAN	Danish	POR	Portuguese
DUT	Dutch	RUM	Rumanian
FIN	Finnish	RUS	Russian
FRE	French	SPA	Spanish
GER	German	TUR	Turkish
HEB	Hebrew	UKR	Ukrainian
HUN	Hungarian		

Botanical Details

Many plant species have several common names and others none at all. For this reason and because some names are used differently in different regions, we recommend the use of botanical names whenever possible. Nevertheless, common names are included for convenience. Lesser known names used in many foreign publications were changed to popular names known to us. Hortus Third (MacMillian Publishing Co., New York, 1976) was used as the authority where possible. Other reference sources used included:

Bailey, L. H. 1949. Manual of Cultivated Plant MacMillian Co., New York.

Munz, P. A. and Keck, D. D. 1965. A California Flora. University of California Press, Berkeley Calif.

Robbins, W. W., Bellue, M. K. and Ball, W. S. 1970. Weeds of California. Documents and Publications, Sacramento, Calif.

Willis, J. C. 1973. A Dictionary of the Flowering Plants and Ferns. Ed. 8. Cambridge University Press.

Compound names are listed with the primary name first followed by appropriate modifiers, for example, clover, white New Zealand. Botanical names are

grouped by families and include family, genus, species, and occasionally variety, for example, Gramineae: *Zea mays*, *Hordeum vulgare*; Chenopodiaceae: *Beta vulgaris*; Cruciferae: *Brassica oleracea* var. *capitata*.

Indexes

Four indexes are provided to locate specific citations of interest. They provide alphabetical listings of common plant names, botanical plant names, terms describing treatments, and terms describing results.

Generally, each plant species is listed under one common name. Referrals are provided for a number of synonymous names. Hyphenated names appear alphabetically after the complete listing of nonhyphenated names. Some general terms (for example, cactus and thorns) appear because species were not identified; however, these terms are not all inclusive. Botanical names are listed by genus, species (unless unknown), and, in some cases, variety.

Both the treatment and result indexes include all the terms mentioned in those respective categories. Treatment salts are not identified as such but are listed as the constituent ions. Users are advised to refer to synonymous and related terms to locate all citations relevant to a particular subject.

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