USEFUL LITERATURE FOR SEED TECHNOLOGISTS

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I Seed testing - basic literature

Anon. (1952)
(Manual for) Testing agricultural and horticultural seeds
Agriculture Handbook no. 30
USDA, Washington D.C., USA

Anon. (1966)
ISTA List of stabilized plant names
ISTA, Secretariat, P.O. Box 412, CH-8046 Zürich, Switzerland

Anon. (1967/71)
Multilingual glossary of common plant names
Part I. field crops, grasses, vegetables (1967)
Part II. trees (1971)

Anon. (1976)
International rules for seed testing (Rules + Annexes)
Seed Science and Technology 4 (1)
french edition: Seed Sci. & Technol. 4 (4)
german edition: Seed Sci. & Technol. 4 (3)
ISTA, Secretariat, P.O. Box 412, CH-8046 Zürich, Switzerland

Anon. (1979-)
ISTA Handbook on Seed Health Testing
ISTA, Secretariat, P.O. Box 412, CH-8046 Zürich, Switzerland

Section 1.1 An annotated list of seed-borne diseases
3rd ed. by M. J. Richardson (1979)+supplement 1981
Section 1.2 Introduction to methods of seed health testing by
J. de Tempe and J. Binnerts (1979)
(also: Seed Science and Technology 7 (4), 601-636, 1979)
Section 2 Working sheets. Each dealing with one pathogen on one host
by different authors
Anon. (1981)

Supplementary list of the 'ISTA List of stabilized plant names 1966' of plant names stabilized by ISTA since 1966 until the end of 1980
ISTA, Secretariat, P.O. Box 412, CH-8046 Zürich, Switzerland.

Anon. (in prep.)

ISTA Handbook on tetrazolium testing
ISTA, Secretariat, P.O. Box 412, CH-8046 Zürich, Switzerland

Anon. (in prep.)

(Technical guidelines for) Cereal seed testing
FAO, Rome, Italy

*also in french:
*also in spanish:

Bekendam, J. and Grob, R. (1979)

Handbook for seedling evaluation, 2nd ed.
ISTA, Secretariat, P.O. Box 412, CH-8046 Zürich, Switzerland

*also in french:
*also in german:
for spanish version see below

Bekendam, J. and Grob, R. (1979)

Manuel para evaluacion de plantulas en analisis de germinacion
Inst. Nac. de Semillas y Plantas de Vivero
Ctra. de la Coruna, Km. 7.500
Madrid-35, Spain


Seed Science and Technology 9 (1), 299-334

Felfoldi, E.M. (in prep.)

ISTA Handbook on pure seed definitions
ISTA, Secretariat, P.O. Box 412, CH-8046 Zürich, Switzerland
Musil, A.F. (1963)
Identification of crop and weed seeds
Agriculture Handbook no. 219
USDA, Washington D.C., USA
(reprinted in 1980 by: Castle House, Turnbridge Wells, U.K.)

Seaton, R.D. (1978)
Seed Science and Technology 6 (1), 57-94

Thomson, J.R. (1979)
An introduction to seed technology
Leonard Hill, Glasgow, U.K.

Australian seed science newsletter
CSIRO, Division of Plant Industry, P.O. Box 1600,
Canberra City, ACT 2601, AUSTRALIA

ISTA News Bulletin
ISTA, Secretariat, P.O. Box 412, CH-8046 Zürich, Switzerland

Journal of Seed Technology
AOSA, c/o L.O. Copeland,
Dept. of Crop and Soil Sciences, Michigan State Univ.,
East Lansing, MI 48824, USA

The Newsletter (of AOSA)
AOSA, c/o L.O. Copeland,
Dept. of Crop and Soil Sciences, Michigan State
Univ., East Lansing, MI 48824, USA
Seed Abstracts
CAB, Farnham Royal, Slough SL2 3BN, U.K.

Seed Science and Technology
ISTA, Secretariat, P.O. Box 412, CH-8046 Zürich, Switzerland
II Seed testing - comprehensive literature

Anon. (1961)
Seeds, the yearbook of agriculture
USDA, Washington D.C., USA

Anon. (1970)
Selected weeds of the United States
Agriculture Handbook no. 366
USDA, Washington D.C., USA

Anon. (in prep.)
Guidelines on plant introduction and seed health testing
FAO, Rome, Italy

Anon. (in prep.)
Seed Equipment: Vol. 1 (Europe and North America)
FAO, Rome, Italy

Alexopoulos, C.J. (1962)
Introductory mycology
2nd edition
Wiley, New York, USA

Barnett, H.L. and Hunter, B.B. (1972)
Illustrated genera of imperfect fungi
Burgess, Minneapolis, USA

Belcher, E. and Vozzo, J.A. (1979)
Radiographic analysis of agricultural and forest tree seeds
(contribution to the handbook on seed testing, no. 31)
AOSA, c/o L.O. Copeland,
Dept. of Crop and Soil Sciences, Michigan State Univ., East Lansing,
MI 48824, USA
Identification of species of Curvularia on rice seed

Bischof, F. (1978)
Common weeds from Iran, Turkey, the Near-East and North Africa
Schriftenreihe Nr. 49
Gesellschaft für Technische Zusammenarbeit (GTZ),
Eschborn, Germany F.R.

Borriss, H. (1967)
Physiologie, Ökologie und Biochemie der Keimung Teil I and II
(with summaries in english)
Ernst-Moritz-Arndt-University, Greifswald, Dem.Rep.Germany

Cobley, L.S. and Steele, W.M. (1976)
An introduction to the botany of tropical crops 2nd edition

Engler, A. (1964)
Syllabus der Pflanzenfamilien
II. Band Angiospermen

The tetrazolium testing handbook for agricultural seeds.
Handbook on seed testing - Contribution No. 29
AOSA, c/o L.O. Copeland
Dept. of Crop and Soil Sciences, Michigan State Univ.,
East Lansing, MI 48824, USA

Grass weeds 1 - Weeds of the subfamily Panicoideae
Documenta CIBA-GEIGY, Basle, Switzerland

The identification of cereal varieties
RHM arable services, Throws, Stebbing, Great Dunmow, Essex CM 6 3 AQ, U.K.


Project Seed Laboratory 2000-5000
(incl. 2 binders with plans and brochures)
Government Seed Testing Station, P.O. Box 9104, 6700 HE WAGENINGEN, The Netherlands.
available from: Dr. W.P. Freistritzer, Plant Production and Protection Division, FAO, Rome, Italy.

Heydecker, W. (1973)

Seed Ecology
Butterworths, London, U.K.

Khan, A.A. (1977)

The physiology and biochemistry of seed dormancy and germination
North-Holland, Amsterdam, Netherlands.

Kiraly, Z. et al. (1970)

Methods in plant pathology
Akademiai Kiado, Budapest, Hungary

Kozlowski, T.T. (1972)

Seed Biology
Vol. 1, 2 and 3
Academic Press, New York, U.S.A.


Krankheiten, Schädlinge und Unkräuter im tropischen Pflanzenbau
also in english: Diseases, pests and weeds in tropical crops
Madsen, E. (in prep.)
ISTA list of equipment and supplies
ISTA, Secretariat, P.O. Box 412, CH-8046 Zürich, Switzerland.

Malone, J.P. and Muskett, A.E. (1964)
Seed-borne fungi
Description of 77 fungi species
Proc. Int. Seed Test. Ass. 29, 179-384

Control mechanisms in germination
Israel Journal of Botany 29 (1-4)
Weizmann Science Press of Israel, P.O.B. 801, Jerusalem 91000, Israel.

The germination of seeds
2nd. edition

Neergaard, P. (1977)
Seed Pathology
2 volumes

ISTA Handbook on vigour test methods
ISTA, Secretariat, P.O. Box 412, CH-8046 Zürich, Switzerland
*also in french:

Purseglove, J.W. (1968)
Tropical crops-dicotyledons
Purseglove, J.W. (1972)

Tropical crops-monocotyledons

Simmonds, N.W. (1976)

Evolution of crop plants

Terrell, E.E. (1977)

A checklist of names for 3,000 vascular plants of economic importance
Agriculture Handbook no. 505
USDA, Washington D.C., USA

Thomson, J.R. (1975-)

Advances in research and technology of seeds part 1, 2, 3, 4, 5, 6 (to be continued)
Pudoc, Wageningen, Netherlands.

Ulvinen, O., Voss, A., Bækgaard, H.C. and Terning, P.E. (1973)

Testing for genuineness of cultivar, 2nd ed.
Handbook of Seed Testing
ISTA, Secretariat, P.O. Box 412, CH-8046 Zürich, Switzerland

Wagner, F. (1979)

Landwirtschaftliche Samen- und Saaten
ACG-Verlag Sindelfingen, Fed.Rep.Germany

(journal)

Newsletter IUFRO "Seed Problems"

Swedish University of Agricultural Sciences,
Department of Forest Genetics and Plant Physiology, S-901 83 Umeå, Sweden
Phytopathology
The American Phytopathological Society,
3340 Pilot Knob Road, St. Paul, MN 55121, USA

Plant Disease
The American Phytopathological Society,
3340 Pilot Knob Road, St. Paul, MN 55121, USA

Plant Physiology
American Society of Plant Physiologists,
P.O. Box 1688, Rockville, Maryland 20850, USA

Review of plant pathology
CAB, Farnham Royal, Slough SL2 3BN, U.K.
III Seed certification, legislation, programmes

Anon. (1961)

Agricultural and horticultural seeds - their production, control and distribution
Plant production and protection series no. 12 (also: Agricultural Studies No. 55)
FAO, Rome, Italy

*also in french: Semences agricoles et horticoles*
*also in spanish: Las semillas agrícolas y horticolas*

Anon. (1965)

O.E.C.D. Scheme for the varietal certification of herbage seed moving in international trade.
Documentation in food and agriculture No. 76
OECD, Paris, France
*also in french: Système de l'O.C.D.E. pour la certification variétale des semences fourragères destinées au commerce international*

Anon. (1967)

O.E.C.D. Scheme for the varietal certification of cereal seed moving in international trade
Documentation in Agriculture and Food No. 88
O.E.C.D., Paris, France
*also in french: Système de l'O.C.D.E. pour la certification variétale des semences de céréales destinées au commerce international*
Anon. (1971)

O.E.C.D. Scheme for the varietal certification of sugar beet and fodder beet seed moving in international trade.

Proc. Int. Seed Test. Ass. 36 (3), 521-546

*also in french: Système de l'O.C.D.E. pour la certification variétale des semences de betteraves fourragères destinées au commerce international

Anon. (1971)

O.E.C.D. Scheme for the control of forest reproductive material moving in international trade

Proc. Int. Seed Test. Ass. 36 (3), 547-576

*also in french: Système de l'O.C.D.E. pour le contrôle de matériels forestiers de reproduction destinés au commerce international

Anon. (1971)

Guide to the methods used in plot tests and to the methods of field inspection of herbage seed crops


*also in french: Guide des méthodes à employer pour les essais en parcelles et de méthodes d'inspection des cultures de semences fourragères

Anon. (1971)

Guide to the methods used in plot tests and to the methods of field inspection of cereal crops

Proc. Int. Seed Test. Ass. 36 (3), 495-519

*also in french: Guide de méthodes à employer pour les essais en parcelles et des méthodes d'inspection des cultures de semences de céréales
Anon. (1972)
A handbook for seed inspectors
by Central Seed Committee and National Seeds Corporation
Ministry of Agriculture, New Delhi, India

Anon. (1972)
Field inspection manual
National Seeds Corporation, Contract Seed Team MSU/USAID and Rockefeller Foundation
New Delhi, India

Anon. (in prep.)
Guidelines on organization of national seed campaigns
FAO, Rome, Italy

Anon. ( )
Règlements techniques de la production du contrôle et de la certification
Tome 1 certification de semences
Tome 2 certification de plants

Documentation "Semences", GNIS 44, Rue du Louvre, 7500 PARIS, France

Seed technology
Oxford & IBH Publishing Co., 66 Janpath,
New Delhi 110001, India

Seed Legislation
Legislative study no. 16
FAO, Rome, Italy

*also in french: La législation des semences*
*also in spanish:
Douglas, J.E. (1967)
Seed Certification Manual
National Seeds Corporation and Rockefeller Foundation
New Delhi, India

Douglas, J.E. (1971)
Seed Certification (Mimeographed)
The Rockefeller Foundation
New Delhi, India

Successful seed programs - A planning and management guide
Westview Press, Boulder, USA

Improved seed production - a manual on the formulation, implementation and evaluation of seed programmes and projects. Plant production and protection series No. 15.
FAO, Rome, Italy
*also in french: Production de semences améliorées*
*also in spanish: Mejoramiento de la producción de semillas*
*also in chinese*

The role of seed science and technology in agricultural development-proceedings of an international seed symposium, Vienna, October 1973
FAO, Rome, Italy

Technical guidelines for Vegetable Seed Technology - a technical guide of vegetable seed production, processing, storage and quality control
FAO, Rome, Italy
*also in french:*
*also in spanish:*

Plant disease: an advanced treatise
Academic Press, New York, USA

Humphreys, L.R. (1979)

Tropical pasture seed production, 2nd ed.
Plant production and protection paper no. 8
FAO, Rome, Italy


Gutes Saatgut - eine Voraussetzung für hohe Erträge
(trilingual: german, french, arabic)
Schriftenreihe nr. 69
Gesellschaft für Technische Zusammenarbeit (GTZ),
Eschborn, Germany F.R.

Walker, J.C. (1952)

Diseases of vegetable crops
Mc Graw-Hill, New York, USA

(journal)

SIDP (Seed Industry Development Programme) Information notes
(appearing twice a year)
FAO, Rome, Italy
IV Other literature pertaining to seed quality

Anon. (1973)
Seed Storage and drying
Seed Science and Technology 1 (3)

Anon. (1977)
Seed cleaning and processing
Seed Science and Technology 5 (2)

Anon. (1979)
Fertilizer distribution and credit schemes for small-scale farmers
Fertilizer bulletin no. 1
FAO, Rome, Italy

Anon. (1980)
Flower seeds
Seed Science and Technology 8 (4)

Anon. (1980)
FAO, Rome, Italy

Anon. (in prep.)
(Technical guidelines for) Cereal and Grain Legumes Seed Processing
FAO, Rome, Italy
• also in french:
• also in spanish:

Anon. (in prep.)
(Guidelines on) Vegetable seed production
FAO, Rome, Italy
Barton, L.V. (1961)
Seed preservation and longevity

Seed technology in the tropics
Universiti Pertanian Malaysia, Serdang, Malaysia

Recalcitrant crop seeds
Tropical Press, Kuala Lumpur, Malaysia

Feistritzer, W.P. (1975)
Cereal seed technology - a manual of cereal seed production, quality control, and distribution
Agricultural development paper No. 98
(also: Plant Production and protection series no. 10)
FAO, Rome, Italy
• also in french: Technologie des semences de céréales•
• also in spanish: Tecnologia de la semilla de cereales•
• also in arabic•
• also in chinese•

George, R.A.T. (in prep.)
Vegetable seed production

Seed Processing
Avion Printers, New Delhi, India

Hall, C.W. (1975)
Drying farm crops
AVI Publ. Co., Westport, Connecticut, USA

Handling and storage of food grains in tropical and subtropical areas
Agricultural development paper No. 90
FAO, Rome, Italy


Principles and practices of seed storage
Agriculture Handbook no. 506, USDA, Washington D.C.
(also : Castle House, Turnbridge Wells, U.K. (1979))

Law, A.C., Gregg, B.R., Young, P.B. and Chetty, P.R. (1971)

Seed marketing
National Seeds Corporation of India and USAID
New Delhi, India

Roberts, E.H. (1972)

Viability of seeds

Sgaravatti, E. (1980)

World list of seed sources - Liste mondiale de sources de semences - Lista mondial de fuentes de semillas
FAO, Rome, Italy


Plant breeding perspectives
Pudoc, Wageningen, Netherlands

Vaughan, C.E., Gregg, B.R. and Delouche, J.C. (1968)

Seed processing and handling
Handbook no. 1
Seed Technology Laboratory
Mississippi State University
State College, USA
Tropical Storage Abstracts
Tropical Stored Products Centre (Tropical Products Institute),
London Road, Slough SL 3 7 HL, U.K.

Tropical Stored Products Information - The Journal of the
Tropical Stored Products Centre. Tropical Stored Products
Centre (Tropical Products Institute), London Road, Slough
SL 3 7HL, U.K.
ADDITIONS

Anon. (1895 - heden)
Index Kewensis, An enumeration of the genera and species of flowering plants, Vols. I & II, Supplement I-XIV

Brickell, C.D. et al. (1980)
Regmn Vegetabile Vol. 104
Bohn, Scheltema and Holkema, Deventer, The Netherlands

Benson, L. (1962)
Plant taxonomy - Methods and principles
Ronald Press Company, New York, U.S.A.

Delortit, R.J. (1970)
Illustrated taxonomy manual of weed seeds
Agronomy Publications, River Falls, WI, U.S.A.

Stafleu, F.A., E.G. Voss et al. (1978)
International Code of Botanical Nomenclature
Leningrad Edition
Regnum Vegetabile Vol. 97
Bohn, Scheltema and Holkema, Deventer, The Netherlands

Engler, A. (1964)
Syllabus der Pflanzenfamilien
II Band, Angiospermen
Gebr. Borntraeger, Berlin - Nikolassee, Germany F.R.

Wettstein, R. (1962)
Handbuch der Systematischen Botanik
reprinted from 1935 edition
Asher & Co., Amsterdam, The Netherlands