

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)  
in: Proc. Int. Seed Test. Ass. 32 (4)  
Part II. trees (1971)  
in: Proc. Int. Seed Test. Ass. 36 (5)

*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

Cooper, S.R. (1981)

Report of the rules committee 1977-1980

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

Felföldi, 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)*

Report of the rules committee 1974-1977

Seed Science and Technology 6 (1), 57-94

*Thomson, J.R. (1979)*

An introduction to seed technology

Leonard Hill, Glasgow, U.K.

*(journal)*

Australian seed science newsletter

CSIRO, Division of Plant Industry, P.O. Box 1600,

Canberra City, ACT 2601, AUSTRALIA

*(journal)*

ISTA News Bulletin

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

*(journal)*

Journal of Seed Technology

AOSA, c/o L.O. Copeland,

Dept. of Crop and Soil Sciences, Michigan State Univ.,

East Lansing, MI 48824, USA

*(journal)*

The Newsletter (of AOSA)

AOSA, c/o L.O. Copeland,

Dept. of Crop and Soil Sciences, Michigan State

Univ., East Lansing, MI 48824, USA

*(journal)*

Seed Abstracts

CAB, Farnham Royal, Slough SL 2 3 BN, U.K.

*(journal)*

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, Mineapolis, 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

*Benoit, M.A. and Mathur, S.B. (1970)*

Identification of species of *Curvularia* on rice seed  
Proc. Int. Seed Test. Ass. 35, 99-119.

*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  
Longman, London, U.K.

*Engler, A. (1964)*

Syllabus der Pflanzenfamilien  
II. Band Angiospermen  
Gebr. Borntraeger, Berlin-Nikolassee, Fed.Rep.Germany

*Grabe, D.F. (1970)*

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

*Häfliger, E. and Scholz, H. (1980)*

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

*Hervey-Murray, C.G. (1980)*

The identification of cereal varieties

RHM arable services, Throws, Stebbing, Great Dunmow, Essex CM 6 3 AQ, U.K.

*Heuver, M., Bekendam, J., Van der Burg, W.J., Van Geffen, A. (1979)*

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

Akademiari Kiado, Budapest, Hungary

*Kozlowski, T.T. (1972)*

Seed Biology

Vol. 1, 2 and 3

Academic Press, New York, U.S.A.

*Kranz, J., Schmutterer, H. and Koch, W. (1977)*

Krankheiten, Schädlinge und Unkräuter im tropischen Pflanzenbau

•also in english: Diseases, pests and weeds in tropical crops.

Parey, Berlin, Fed. Rep. Germany.

*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

*Mayer, A.M. (1980)*

Control mechanisms in germination

Israel Journal of Botany 29 (1-4)

Weizmann Science Press of Israel, P.O.B. 801, Jerusalem  
91000, Israel.

*Mayer, A.M. and Poljakoff-Mayber, A. (1975)*

The germination of seeds

2nd. edition

Pergamon Press, Oxford, U.K.

*Neergaard, P. (1977)*

Seed Pathology

2 volumes

MacMillan, London, U.K.

*Perry, D.A. (1981)*

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

Longman, London, U.K.

*Purseglove, J.W. (1972)*

Tropical crops-monocotyledons  
Longman, London, U.K.

*Simmonds, N.W. (1976)*

Evolution of crop plants  
Longman, London, U.K.

*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, Å., 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, E. (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<sup>0</sup>, Sweden

*(journal)*

Phytopathology

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

*(journal)*

Plant Disease

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

*(journal)*

Plant Physiology

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

*(journal)*

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 hortícolas•

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: Proc.Int. Seed Test. Ass. 36 (3), 421-469, 1971  
(updated issue))

•also in french: Système de l'O.C.D.E. pour la certification  
variétale des semences fourragères destinées au commerce inter-  
national•

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: Proc. Int. Seed Test. Ass. 36 (3), 471-494, 1971  
(updated issue))

•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

Proc. Int. Seed Test. Ass. 36 (3), 421-469

•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

*Agrawal, R.L. (1980)*

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

*Bombín-Bombín, L.M. (1980)*

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

*Douglas, J.E. (1980)*

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

*Feistritzer, W.P. and Fenwick Kelly, A. (1978)*

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•

*Feistritzer, W.P. and Redl, H. (1975)*

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

*George, R.A.T. (1980)*

(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:

*Horsfall, J.G. and Cowling, E.B. (1977)*

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

*Marouani, A., Kouli, M., Ghanmi, M. and Grell, P.H. (1979)*

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)*

Rainfed agriculture in the Near East and North Africa - proceedings  
of the FAO regional seminar on rainfed agriculture in the Near East  
and North Africa held in Amman, Jordan, 1979.  
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  
Leonard Hill, London, U.K.

*Chin, H.F., Enoch, I.C. and Raja Harun, R.M. (1977)*

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

*Chin, H.F. and Roberts, E.H. (1980)*

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  
Longman, London, U.K.

*Gregg, B.R., Law, A.G., Viridi, S.S. and Balis, J.S. (1970)*

Seed Processing  
Avion Printers, New Delhi, India

*Hall, C.W. (1975)*

Drying farm crops  
AVI Publ. Co., Westport, Connecticut, USA

*Hall, D.W. (1970)*

Handling and storage of food grains in tropical and subtropical areas

Agricultural development paper No. 90

FAO, Rome, Italy

*Justice, O.L. and Bass, L.H. (1978)*

Principles and practices of seed storage

Agriculture Handbook no. 506, USDA, Washington D.C.

(also : Castle House, Turnbridge Wells, U.K. (1979))

*Law, A.G., 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

Chapman and Hall, London, U.K.

*Sgaravatti, E. (1980)*

World list of seed sources - Liste mondiale de sources  
de semences - Lista mundial de fuentes de semillas

FAO, Rome, Italy

*Sneep, J. and Hendriksen, A.J.T. (1979)*

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

*(journal)*

Tropical Storage Abstracts

Tropical Stored Products Centre (Tropical Products Institute),  
London Road, Slough SL 3 7 HL, U.K.

*(journal)*

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  
Clarendon Press, Oxford, U.K.

*Brickell, C.D. et al. (1980)*

International Code of Nomenclature of Cultivated Plants 1980.  
Regnum 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.

*Delorit, 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