

VII. ABBREVIATIONS USED IN THIS VOLUME.

PLANT DISEASES, PESTS, AND PATHOGENS:

BYDV = barley yellow dwarf virus
BMV = barley mosaic virus
CCN = cereal cyst nematode, *Heterodera avenae*
FHB = Fusarium head blight
RWA = Russian wheat aphid
SBMV = soilborne mosaic virus
SLB = Septoria leaf blotch
TMV = *Triticum* mosaic virus
WDF = wheat dwarf mosaic
WSBMV = wheat soilborne mosaic virus
WSMV = wheat streak mosaic virus
WSSMV = wheat spindle streak mosaic virus
WYMV = wheat yellow mosaic virus
E. graminis f.sp. *tritici* = *Erysiphe graminis* f.sp. *tritici* = the powdery mildew fungus
F. graminearum = *Fusarium graminearum* = head scab fungus
F. nivale = **Fusarium nivale** = snow mold fungus
H. avenae = *Heterodera avenae* = cereal cyst nematode
P. graminis = *Polymyxa graminis* = wheat soilborne mosaic virus vector
P. striiformis f.sp. *tritici* = *Puccinia striiformis* f.sp. *tritici* = strip rust fungus
P. triticina = *Puccinia triticina* = *P. recondita* f.sp. *tritici* = leaf rust fungus
R. cerealis = *Rhizoctonia cerealis* = sharp eyespot
R. solani = *Rhizoctonia solani* = *Rhizoctonia* root rot
R. padi = *Rhonpalosiphum padi* = bird cherry-oat aphid
S. tritici = *Septoria tritici* = *Septoria* leaf spot fungus
S. graminearum = *Schizaphus graminearum* = greenbug
St. nodorum = *Stagonospora nodorum* = *Stagonospora* glume blotch
T. indica = *Tilletia indica* = Karnal bunt fungus

SCIENTIFIC NAMES AND SYNONYMS OF GRASS SPECIES (NOTE: CLASSIFICATION ACCORDING TO VAN SLAGEREN, 1994):

A. strigosa = *Avena strigosa*
Ae. cylindrica = *Aegilops cylindrica* = *Triticum cylindricum*
Ae. geniculata = *Aegilops geniculata* = *Aegilops ovata* = *Triticum ovatum*
Ae. markgrafii = *Aegilops markgrafii* = *Aegilops caudata* = *Triticum caudatum*
Ae. speltoides = *Aegilops speltoides* = *Triticum speltoides*
Ae. tauschii = *Aegilops tauschii* = *Aegilops squarrosa* = *Triticum tauschii*
Ae. triuncialis = *Aegilops triuncialis* = *Triticum triunciale*
Ae. umbellulata = *Aegilops umbellulata* = *Triticum umbellulatum*
Ae. peregrina = *Aegilops peregrina* = *Aegilops variabilis* = *Triticum peregrinum*
Ae. ventricosa = *Aegilops ventricosa* = *Triticum ventricosum*
S. cereale = *Secale cereale* = rye
T. aestivum subsp. *aestivum* = *Triticum aestivum* = hexaploid, bread, or common wheat
T. monococcum subsp. *aegilopoides* = *Triticum boeoticum*
T. turgidum subsp. *dicocum* = *T. dicoccon* = *Triticum dicoccon* = *T. dicocum*
T. turgidum subsp. *durum* = *Triticum durum* = durum, pasta, or macaroni wheat
T. aestivum subsp. *macha* = *Triticum macha*
T. militinae = *Triticum militinae*
T. aestivum subsp. *spelta* = *Triticum spelta*
T. timopheevii subsp. *timopheevii* = *Triticum timopheevii*
T. timopheevii subsp. *armeniicum* = *Triticum araraticum* = *T. araraticum*
T. turgidum subsp. *dicoccoides* = *Triticum dicoccoides* = wild emmer wheat
T. turgidum subsp. *dicocum* = *Triticum dicocum*
T. urartu = *Triticum urartu*

Th. bessarabicum = *Thinopyrum bessarabicum*

Th. elongatum = *Thinopyrum elongatum* = *Agropyron elongatum*

Th. intermedium = *Thinopyrum intermedium* = *Agropyron intermedium*

SCIENTIFIC JOURNALS AND PUBLICATIONS:

Agron Abstr = Agronomy Abstracts

Ann Wheat Newslet = *Annual Wheat Newsletter*

Aus J Agric Res = *Australian Journal of Agricultural Research*

Cereal Res Commun = *Cereal Research Communications*

Curr Biol = *Current Biology*

Eur J Plant Path = *European Journal of Plant Pathology*

Funct Integ Genomics = *Functional Integrative Genomics*

Int J Plant Sci = *International Journal of Plant Science*

J Cereal Sci = *Journal of Cereal Science*

J Hered = *Journal of Heredity*

J Phytopath = *Journal of Phytopathology*

J Plant Phys = *Journal of Plant Physiology*

Mol Gen Genet = *Molecular and General Genetics*

Nat Genet = *Nature Genetics*

PAG = Plant and Animal Genome (abstracts from meetings)

Phytopath = *Phytopathology*

Plant Breed = *Plant Breeding*

Plant, Cell and Envir = *Plant, Cell and Environment*

Plant Cell Rep = *Plant Cell Reporter*

Plant Dis = *Plant Disease*

Plant Physiol = *Plant Physiology*

Sci Agric Sinica = *Scientia Agricultura Sinica*

Theor Appl Genet = *Theoretical and Applied Genetics*

Wheat Inf Serv = *Wheat Information Service*

UNITS OF MEASUREMENT:

bp = base pairs

bu = bushels

cM = centimorgan

ha = hectares

kDa = kiloDaltons

m² = square meters

m³ = cubic meters

μ = micron

me = milli-equivalents

mmt = million metric tons

mt = metric tons

Q = quintals

T = tons

MISCELLANEOUS TERMS:

Al = aluminum

AFLP = amplified fragment length polymorphism

ANOVA = analysis of variance

A-PAGE = acid polyacrylamide gel electrophoresis

AUDPC = area under the disease progress curve

BW = bread wheat

CHA = chemical hybridizing agent

CMS = cytoplasmic male sterile

CPS = Canadian Prairie spring wheat
DH = doubled haploid
DON = deoxynivalenol
ELISA = enzyme-linked immunosorbent assay
EMS = ethyl methanesulfonate
EST = expressed sequence tag
FAWWON = Facultative and Winter Wheat Observation Nursery
GA = gibberellic acid
GIS = geographic-information system
GM = genetically modified
GRIN = Germplasm Resources Information Network
HPLC = high pressure liquid chromatography
HMW = high-molecular weight (glutenins)
HRSW = hard red spring wheat
HRRW = hard red winter wheat
HWSW = hard white spring wheat
HWWW = hard white winter wheat
ISSR = inter-simple sequence repeat
kD = kilodalton
LMW = low molecular weight (glutenins)
MAS = marker-assisted selection
NSF = National Science Foundation
NILs = near-isogenic lines
NIR = near infrared
NSW = New South Wales, region of Australia
PAGE = polyacrylamide gel electrophoresis
PCR = polymerase chain reaction
PFGE = pulsed-field gel electrophoresis
PMCs = pollen mother cells
PNW = Pacific Northwest (a region of North America including the states of Oregon and Washington in the U.S. and the province of Vancouver in Canada)
PPO = polyphenol oxidase
QTL = quantitative trait loci
RAPD = random amplified polymorphic DNA
RCB = randomized-complete block
RFLP = restriction fragment length polymorphism
RILs = recombinant inbred lines
RT-PCR = real-time polymerase-chain reaction
SAMPL = selective amplification of microsatellite polymorphic loci
SAUDPC = standardized area under the disease progress curve
SCAR = sequence-characterized amplified region
SDS-PAGE = sodium dodecyl sulphate polyacrylamide gel electrophoresis
SE-HPLC = size-exclusion high-performance liquid chromatography
SH = synthetic hexaploid
SNP = single nucleotide polymorphism
SRPN = Southern Regional Performance Nursery
SRWW = soft red winter wheat
SRSW = soft red spring wheat
STMA = sequence tagged microsatellite site
SWWW = soft white winter wheat
SSD = single-seed descent
SSR = simple-sequence repeat
STS = sequence-tagged site
TKW = 1,000-kernel weight
UESRWWN = Uniform Experimental Soft Red Winter Wheat Nursery
VIGS = virus-induced gene silencing