

IV. ABBREVIATIONS AND SYNONYMS 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*** = *Rhopalosiphum 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. longissima*** = *Aegilops longissima* = *Triticum longissimum****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. searsii*** = *Aegilops searsii* = *Triticum searsii****Ae. ventricosa*** = *Aegilops ventricosa* = *Triticum ventricosum****D. villosum*** = *Dasypyrum villosum* = *Haynaldia villosa****S. cereale*** = *Secale cereale* = rye***T. aestivum* subsp. *aestivum*** = *Triticum aestivum* = hexaploid, bread, or common wheat***T. aestivum* subsp. *macha*** = *Triticum macha****T. aestivum* subsp. *spelta*** = *Triticum spelta****T. militinae*** = *Triticum militinae****T. monococcum* subsp. *aegilopoides*** = *Triticum boeoticum****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. *dicoccum = *Triticum dicoccum*

T. turgidum* subsp. *durum = *Triticum durum* = durum, pasta, or macaroni wheat

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*

Can J Plant Sci = *Canadian Journal of Plant Science*

Cereal Chem = *Cereal Chemistry*

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*

Ind J Agric Sci = *Indian Journal of Agricultural Science*

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

J Agric Sci Technol = *Journal of Agricultural Science and Technology*

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*

Proc Ind Acad Sci = *Proceedings of the Indian Academy of Sciences*

Proc Natl Acad Sci USA = *Proceedings of the National Academy of Sciences USA*

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

masl = meters above sea level

me = milli-equivalents

mL = milliliters

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
APR = adult-plant resistance
AUDPC = area under the disease progress curve
BC = back cross
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
IT = infection type
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-HPLE = 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