

PPS Keyword List: Keywords related to Disease & Symptom from PPS vol. 1 - 20

DISEASE & SYMPTOM (73)

Keyword		Article title (downloadable pdf link)	Author	Year	DOI
Aborted spikelet (1)		Response of Spikelet Number per Panicle in Rice Cultivars to Three Transplanting Densities	Zhang B, et al.	2010	10.1626/pps.13.279
Bakanae disease (1)		Responses of Rice Genotypes Carrying Different Dwarf Genes to <i>Fusarium moniliforme</i> and Gibberellic Acid	Ma L, et al.	2008	10.1626/pps.11.134
Barrenness (2)		Barrenness and Changes in Tassel Development and Flowering Habit of Hybrid Maize Associated with Low Air Temperatures	Hayashi T, et al.	2015	10.1626/pps.18.93
		Varietal difference in the effects of low temperature on tassel development in hybrid maize	Hayashi T.	2016	10.1080/1343943X.2015.1133236
Black hull (1)		Complementary Genes That Cause Black Ripening Hulls in F₁ Plants of Crosses between <i>Indica</i> and <i>Japonica</i> Rice Cultivars	Fukuda A, et al.	2012	10.1626/pps.15.270
Blast (2)	Blast (1)	A Rice (<i>Oryza sativa</i> L.) Breeding for Field Resistance to Blast Disease (<i>Pyricularia oryzae</i>) in Mountainous Region Agricultural Research Institute, Aichi Agricultural Research Center of Japan	Saka N.	2006	10.1626/pps.9.3
	Rice blast (1)	Agricultural Use of Porous Hydrated Calcium Silicate: Effect of porous hydrated calcium silicate on resistance of rice plant (<i>Oryza sativa</i> L.) to rice blast (<i>Pyricularia oryzae</i>)	Saigusa M, et al.	2000	10.1626/pps.3.51
Chlorosis (2)		Plastid Damage in Photosynthetic Cells of Mizugayatsuri (<i>Cyperus serotinus</i>) Leaves Treated with a Pyrazole Herbicide	Ogawa M, et al.	2001	10.1626/pps.4.291
		QTLs for Shoot Length and Chlorophyll Content of Rice Seedlings Grown under Low-Temperature Conditions, using a Cross between <i>Indica</i> and <i>Japonica</i> Cultivars	Fukuda A, et al.	2015	10.1626/pps.18.128
Clubroot (1)		Polyamines in Different Organs of <i>Brassica</i> Crop Plants with or without Clubroot Disease	Hamana K, et al.	2015	10.1626/pps.18.476
Cold-weather damage (3)	Cold-weather damage (2)	Effects of Low Temperature and Shading during Flowering on the Yield Components in Soybeans	Kurosaki H, et al.	2003	10.1626/pps.6.17
		Does Regional Temperature Difference before the Panicle Initiation Affect the Tolerance for Low Temperature-Induced Sterility in Rice?	Shimono H, et al.	2008	10.1626/pps.11.430
	Mitigation of cool summer-induced damage (1)	Tillering and Yield of Rice Cultivars under a Water Storage-Type Deep-Irrigation Regime	Ishibashi T, et al.	2009	10.1626/pps.12.237
Damping-off (1)	Pre-emergence seedling damping-off (1)	Association of <i>Pythium</i> and <i>Phytophthora</i> with Pre-emergence Seedling Damping-off of Soybean Grown in a Field Converted from a Paddy Field in Japan	Kato M, et al.	2013	10.1626/pps.16.95
Diagnosis (1)		Synergy of Remote Sensing and Modeling for Estimating Ecophysiological Processes in Plant Production	Inoue Y.	2003	10.1626/pps.6.3
Disease resistance (1)		Four Decades of Breeding for Varietal Improvement of Irrigated Lowland Rice in the International Rice Research Institute	Peng S, et al.	2003	10.1626/pps.6.157
Disease tolerance (1)		Disease Tolerance in <i>Helianthus petiolaris</i>: A Genetic Resource for Sunflower Breeding	Gutierrez A, et al.	2012	10.1626/pps.15.204
Field resistance (1)		A Rice (<i>Oryza sativa</i> L.) Breeding for Field Resistance to Blast Disease (<i>Pyricularia oryzae</i>) in Mountainous Region Agricultural Research Institute, Aichi Agricultural Research Center of Japan	Saka N.	2006	10.1626/pps.9.3
Flower abortion (2)		Effects of Source/Sink Ratio and Cytokinin Application on Pod Set in Soybean	Yashima Y, et al.	2005	10.1626/pps.8.139
		Roles of Auxin and Cytokinin in Soybean Pod Setting	Nonokawa K, et al.	2007	10.1626/pps.10.199

Grain/Kernel (19)	Basal-white grain (1)	The effects of nitrogen uptake before and after heading on grain protein content and the occurrence of basal- and back-white grains in rice (<i>Oryza sativa</i> L.)	Tsukaguchi T, et al.	2016	10.1080/1343943X.2016.1223527
	Chalky grain (6)	Reduction of Rice Chalky Grain by Deep and Permanent Irrigation Method; Effect on Growth and Grain Quality of Rice	Hayashi M, et al.	2011	10.1626/pps.14.282
		Enhanced Nitrogen Uptake and Photosynthesis of Rice Grown with Deep and Permanent Irrigation Method: Possible Mechanism for Chalky Grain Reduction	Hayashi M, et al.	2013	10.1626/pps.16.309
		Open-Top Chambers with Solar-Heated Air Introduction Tunnels for the High-Temperature Treatment of Paddy Fields	Chiba M, et al.	2014	10.1626/pps.17.152
		Countermeasures for heat damage in rice grain quality under climate change	Morita S, et al.	2016	10.1080/1343943X.2015.1128114
		Molecular physiological aspects of chalking mechanism in rice grains under high-temperature stress	Mitsui T, et al.	2016	10.1080/1343943X.2015.1128112
		The effects of nitrogen uptake before and after heading on grain protein content and the occurrence of basal- and back-white grains in rice (<i>Oryza sativa</i> L.)	Tsukaguchi T, et al.	2016	10.1080/1343943X.2016.1223527
	Chalky kernels (2)	Effects of Assimilate Supply and High Temperature during Grain-Filling Period on the Occurrence of Various Types of Chalky Kernels in Rice Plants (<i>Oryza sativa</i> L.)	Tsukaguchi T, et al.	2008	10.1626/pps.11.203
		Varietal Difference in the Occurrence of Milky White Kernels in Response to Assimilate Supply in Rice Plants (<i>Oryza sativa</i> L.)	Tsukaguchi T, et al.	2011	10.1626/pps.14.111
	Grain chalkiness (1)	Endosperm Structure of White-Belly and White-Core Rice Grains Shown by Scanning Electron Microscopy	Xi M, et al.	2014	10.1626/pps.17.285
	Milky-white grain (1)	Modeling the effects of N application on growth, yield and plant properties associated with the occurrence of chalky grains of rice	Yoshida H, et al.	2016	10.1080/1343943X.2015.1128111
	Milky-white kernels (2)	Effects of Assimilate Supply and High Temperature during Grain-Filling Period on the Occurrence of Various Types of Chalky Kernels in Rice Plants (<i>Oryza sativa</i> L.)	Tsukaguchi T, et al.	2008	10.1626/pps.11.203
		Varietal Difference in the Occurrence of Milky White Kernels in Response to Assimilate Supply in Rice Plants (<i>Oryza sativa</i> L.)	Tsukaguchi T, et al.	2011	10.1626/pps.14.111
	Non-white-core kernel (1)	Difference in the Physical Properties of White-Core and Non-White-Core Kernels of the Rice Varieties for Sake Brewing is Unrelated to Starch Properties	Tamaki M, et al.	2006	10.1626/pps.9.78
	White immature kernel (1)	The Effect of High-Temperature Stress Applied to the Root on Grain Quality of Rice	Nagaoka I, et al.	2012	10.1626/pps.15.274
	White-back grain (2)	Modeling the effects of N application on growth, yield and plant properties associated with the occurrence of chalky grains of rice	Yoshida H, et al.	2016	10.1080/1343943X.2015.1128111
		The effects of nitrogen uptake before and after heading on grain protein content and the occurrence of basal- and back-white grains in rice (<i>Oryza sativa</i> L.)	Tsukaguchi T, et al.	2016	10.1080/1343943X.2016.1223527
	White-base grain (1)	Modeling the effects of N application on growth, yield and plant properties associated with the occurrence of chalky grains of rice	Yoshida H, et al.	2016	10.1080/1343943X.2015.1128111
	White-core grain (1)	Varietal Difference of Polishing Characteristics and Suitability for Sake Brewing in "Hattan-Type Varieties" of Rice Suitable for Brewing Original Hiroshima Sake	Tamaki M, et al.	2005	10.1626/pps.8.468
Green stem (2)	Green stem disorder (1)	Stability Verification of the Effects of Stem Determination and Earliness of Flowering on Green Stem Disorder of Soybean against Genetic Background and Environment	Fujii K, et al.	2015	10.1626/pps.18.166
	Green stem syndrome (1)	Leaf Senescence of Soybean at Reproductive Stage is Associated with Induction of Autophagy-related Genes, <i>GmATG8c</i> , <i>GmATG8i</i> and <i>GmATG4</i>	Nang MPSH, et al.	2011	10.1626/pps.14.141

Imbibition damage (1)		Water Uptake by Seeds in Yellow-seeded Soybean (<i>Glycine max</i> (L.) Merrill) Cultivars with Contrasting Imbibition Behaviors	Nakayama N, et al.	2008	10.1626/pps .11.415
Nutrient-disease (2)	Nutrient-disease interaction (1)	Nitrogen and Potassium Fertility Impacts on Aggregate Sheath Spot Disease and Yields of Rice	Linguist BA, et al.	2008	10.1626/pps .11.260
	Malnutrition (1)	Making a Greener Revolution: A Nutrient Delivery System for Food Production to Address Malnutrition through Crop Science	Meisner C, et al.	2005	10.1626/pps .8.326
Powdery mildew resistance (1)		Identification of Random Amplified Polymorphic DNA and Simple Sequence Repeat Markers Linked to Powdery Mildew Resistance in Common Wheat Cultivar Brock	Wang Z, et al.	2004	10.1626/pps .7.319
Sheath blight resistance (1)		Effects of temperature on growth and photosynthesis in the seedling stage of the sheath blight-resistant rice genotype 32R	Kiet HV, et al.	2016	10.1080/1343943X.2015.1128108
Snow mold resistance (3)		Effect of Dwarfing Induced by Uniconazole-P on Snow Tolerance of the Faba Bean (<i>Vicia faba</i> L.)	Fukuta N, et al.	2001	10.1626/pps .4.189
		Fructan Content in <i>Aegilops cylindrica</i> and its Relationship to Snow Mold Resistance and Freezing Tolerance	Iriki N, et al.	2005	10.1626/pps .8.563
		Increased Cell-Wall Mass and Resistance to Freezing and Snow Mold during Cold Acclimation of Winter Wheat under Field Conditions	Sugiyama S, et al.	2007	10.1626/pps .10.383
Sterility (18)	Sterility (7)	The Involvement of Silicon Deposition in Salinity-Induced White Head in Rice (<i>Oryza sativa</i> L.)	Tsuda M, et al.	2000	10.1626/pps .3.328
		The Difference in Sterility due to High Temperatures during the Flowering Period among Japonica-Rice Varieties	Matsui T, et al.	2001	10.1626/pps .4.90
		Sterility of Thermo-Sensitive Genic Male Sterile Line, Heterosis for Grain Yield and Related Characters in F ₁ Hybrid Rice (<i>Oryza sativa</i> L.)	Pham VC, et al.	2004	10.1626/pps .7.22
		Susceptibility to Coolness at the Young Microspore Stage under High Nitrogen Supply in Rice (<i>Oryza Sativa</i> L.). Proteome Analysis of Mature Anthers	Hayashi T, et al.	2006	10.1626/pps .9.212
		Sterility and Poor Pollination Due to Early Flower Opening Induced by Methyl Jasmonate	Kobayasi K, et al.	2010	10.1626/pps .13.29
		Convenient Estimation of Unfertilized Grains in Rice	Kobata T, et al.	2010	10.1626/pps .13.289
		Lower-Than-Expected Floret Sterility of Rice under Extremely Hot Conditions in a Flood-Irrigated Field in New South Wales, Australia	Matsui T, et al.	2014	10.1626/pps .17.245
	Cytoplasmic male sterility (1)	Evaluation of Barley Male-Sterile Cytoplasm Based on Fertility Restoration and the Effect of the Cytoplasm on Malting Quality in Japan	Matsui K, et al.	2002	10.1626/pps .5.194
	Female sterility (2)	Photosynthesis and Dry-Matter Production during Ripening Stage in a Female-Sterile Line of Rice	Kato M, et al.	2004	10.1626/pps .7.184
		Dry-Matter Partitioning and Accumulation of Carbon and Nitrogen during Ripening in a Female-Sterile Line of Rice	Kato M, et al.	2006	10.1626/pps .9.185
	Floret sterility (2)	High Temperature at Flowering Inhibits Swelling of Pollen Grains, a Driving Force for Thecae Dehiscence in Rice (<i>Oryza sativa</i> L.)	Matsui T, et al.	2000	10.1626/pps .3.430
		Stability of Rice Pollination in the Field under Hot and Dry Conditions in the Riverina Region of New South Wales, Australia	Matsui T, et al.	2007	10.1626/pps .10.57
	Heat-induced floret sterility (1)	Heat-Induced Floret Sterility of Hybrid Rice (<i>Oryza sativa</i> L.) Cultivars under Humid and Low Wind Conditions in the Field of Jiangnan Basin, China	Tian X, et al.	2010	10.1626/pps .13.243
	Heat-induced sterility (2)	Effects of Temperature, Solar Radiation, and Vapor-Pressure Deficit on Flower Opening Time in Rice	Kobayasi K, et al.	2010	10.1626/pps .13.21
		Sterility and Poor Pollination Due to Early Flower Opening Induced by Methyl Jasmonate	Kobayasi K, et al.	2010	10.1626/pps .13.29
	High temperature-induced floret sterility (1)	Comparison between Anthers of two Rice (<i>Oryza saliva</i> L.) Cultivars with Tolerance to High Temperatures at Flowering or Susceptibility	Matsui T, et al.	2001	10.1626/pps .4.36

Sterility (continued)	High temperature- induced spikelet sterility (1)	Varietal Range in Transpiration Conductance of Flowering Rice Panicle and Its Impact on Panicle Temperature	Fukuoka M, et al.	2012	10.1626/pps .15.258
	Male sterility (1)	Effects of High Nitrogen Supply on the Susceptibility to Coolness at the Young Micro spore Stage in Rice (<i>Oryza sativa</i> L.)	Hayashi T, et al.	2000	10.1626/pps .3.323
Sulfur deficiency (1)		Nutrient Deficiency in the Rice-Stylo (<i>Stylosanthes guianensis</i>) Relay-Intercropping System in Rainfed Lowland Rice Ecosystem in Northeast Thailand	Homma K, et al.	2009	10.1626/pps .12.390
Take-all (1)		Effects of <i>Pseudomonas fluorescens</i> CHA0 on the Resistance of Wheat Seedling Roots to the Take-all Fungus <i>Gaeumannomyces graminis</i> var. <i>tritici</i>	Sari E, et al.	2008	10.1626/pps .11.298
Verticillium wilt (1)		Disease Tolerance in <i>Helianthus petiolaris</i> : A Genetic Resource for Sunflower Breeding	Gutierrez A, et al.	2012	10.1626/pps .15.204
Virus infection (1)		Ultrastructure of Mesophyll Glands Secreting the Aromatic Substances in Patchouli Leaves	Maeda E, et al.	1999	10.1626/pps .2.213
Vulnerability to hydraulic dysfunction (1)		Vulnerability to Hydraulic Dysfunction as Affected by Sowing Date in Rice Leaves	Tsuda M, et al.	2002	10.1626/pps .5.22
White head (1)		The Involvement of Silicon Deposition in Salinity-Induced White Head in Rice (<i>Oryza sativa</i> L.)	Tsuda M, et al.	2000	10.1626/pps .3.328