

PPS Keyword List: Keywords related to plant from PPS vol. 1 - 20

CREALS (except rice) (209)

Keyword		Article title (downloadable pdf link)	Author	Year	DOI
Barley (13)	Barley (8)	Recovery of ¹⁵ N-labeled Ammonium by Barley and Maize Grown on the Soils with Long-Term Application of Chemical and Organic Fertilizers	Li K, et al.	2001	10.1626/pps.4.29
		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
		Cool Tolerance of Barley (<i>Hordeum vulgare</i> L.) at the Young Microspore Stage	Koike S, et al.	2003	10.1626/pps.6.132
		NADPH Oxidases Act as Key Enzyme on Germination and Seedling Growth in Barley (<i>Hordeum vulgare</i> L.)	Ishibashi Y, et al.	2010	10.1626/pps.13.45
		Tissue Localization of the Glycine Betaine Biosynthetic Enzymes in Barley Leaves	Mitsuya S, et al.	2013	10.1626/pps.16.117
		Improvement of seedling establishment under flood condition by seed coating with molybdenum compounds for wheat and barley	Hara Y.	2016	10.1080/1343943X.2015.1128110
		Differences in dry matter production, grain production, and photosynthetic rate in barley cultivars under long-term salinity	Hirasawa T, et al.	2017	10.1080/1343943X.2017.1343647
		Comparison of the effects of seed coating with tungsten and molybdenum compounds on seedling establishment rates of rice, wheat, barley, and soybean under flooded conditions	Hara Y.	2017	10.1080/1343943X.2017.1360141
	<i>Hordeum bulbosum</i> (2)	Effect of 2,4-Dichlorophenoxyacetic Acid on the Efficiency of Wheat Haploid Production by the <i>Hordeum bulbosum</i> Method	Ushiyama T, et al.	2006	10.1626/pps.9.206
		Response to GA and Variation of the Culm Length in Doubled Haploid Lines of Wheat	Ushiyama T, et al.	2008	10.1626/pps.11.217
	<i>Hordeum maritimum</i> (1)	Differential Responses in Potassium Absorption and Use Efficiencies in the Halophytes <i>Catapodium rigidum</i> and <i>Hordeum maritimum</i> to Various Potassium Concentrations in the Medium	Hafsi C, et al.	2011	10.1626/pps.14.135
	Hulless barley (1)	Exogenously Applied Nitric Oxide Enhances the Drought Tolerance in Hulless Barley	Gan L, et al.	2015	10.1626/pps.18.52
	Two-Rowed Barley (1)	Confirmation of the Productivity of the Stored Seeds of Wheat and Two-Rowed Barley	Matsue Y, et al.	2002	10.1626/pps.5.187
Buckwheat (23)	Buckwheat (4)	Near-Infrared Reflectance Spectroscopic Analysis of Moisture, Fat, Protein, and Physiological Activity in Buckwheat Flour for Breeding Selection	Sato T, et al.	2001	10.1626/pps.4.270
		Influence of Day Length on Stem Growth, Flowering, Morphology of Flower Clusters, and Seed-Set in Buckwheat (<i>Fagopyrum esculentum</i> Moench)	Michiyama H, et al.	2005	10.1626/pps.8.44
		Effects of Nitrogen Fertilizer and Planting Density on the Lignin Synthesis in the Culm in Relation to Lodging Resistance of Buckwheat	Wang C, et al.	2015	10.1626/pps.18.218
		Decreasing radioactive cesium in lodged buckwheat grain after harvest	Kubo K, et al.	2016	10.1080/1343943X.2015.1128104
	<i>Fagopyrum</i> (2)	Breaking Strength of Pedicel and Grain Shattering Habit in Two Species of Buckwheat (<i>Fagopyrum</i> spp.)	Oba S, et al.	1998	10.1626/pps.1.62
		Breaking Strength of Pedicel as an Index of Grain-Shattering Habit in Autotetraploid and Diploid Buckwheat (<i>Fagopyrum esculentum</i> Moench.) Cultivars	Oba S, et al.	1999	10.1626/pps.2.190
	<i>Fagopyrum esculentum</i> (4)	Variation in Seed Shape and Husk Color in Japanese Native Cultivars of Common Buckwheat (<i>Fagopyrum esculentum</i> Moench)	Tetsuka T, et al.	2005	10.1626/pps.8.60
		Influence of Day Length before and after the Start of Anthesis on the Growth, Flowering and Seed -Setting in Common Buckwheat (<i>Fagopyrum esculentum</i> Moench)	Michiyama H, et al.	2003	10.1626/pps.6.235
		Growth and yield of self-compatible and hybrid common buckwheat lines pollinated with and without flies	Kasajima S, et al.	2017	10.1080/1343943X.2017.1375380
		Effect of soil exchangeable potassium content on cesium absorption and partitioning in buckwheat grown in a radioactive cesium-contaminated field	Kubo K, et al.	2017	10.1080/1343943X.2017.1355737

Buckwheat (continued)	Common buckwheat (5)	Influence of Day Length before and after the Start of Anthesis on the Growth, Flowering and Seed-Setting in Common Buckwheat (<i>Fagopyrum esculentum</i> Moench)	Michiyama H, et al.	2003	10.1626/pps .6.235
		Differences in Vegetative Growth Response to Soil Flooding between Common and Tartary Buckwheat	Matsuura H, et al.	2005	10.1626/pps .8.525
		Varietal Differences of Flood Tolerance during Germination and Selection of the Tolerant Lines in Common Buckwheat	Sakata K, et al.	2006	10.1626/pps .9.395
		The Contribution of Polyphenols to Antioxidative Activity in Common Buckwheat and Tartary Buckwheat Grain	Morishita T, et al.	2007	10.1626/pps .10.99
		Accurate Evaluation of Photoperiodic Sensitivity and Genetic Diversity in Common Buckwheat under a Controlled Environment	Hara T, et al.	2013	10.1626/pps .16.247
	Tartary buckwheat (5)	Association of Grain Shedding Habit with Polyploidy in Tartary Buckwheat (<i>Fagopyrum tataricum</i>) Strains	Oba S, et al.	2004	10.1626/pps .7.212
		Differences in Vegetative Growth Response to Soil Flooding between Common and Tartary Buckwheat	Matsuura H, et al.	2005	10.1626/pps .8.525
		The Contribution of Polyphenols to Antioxidative Activity in Common Buckwheat and Tartary Buckwheat Grain	Morishita T, et al.	2007	10.1626/pps .10.99
		Effect of planting density on lodging-related morphology, lodging rate, and yield of tartary buckwheat (<i>Fagopyrum tataricum</i>)	Xiang DB, et al.	2016	10.1080/13 43943X.201 6.1188320
		Changes in seed growth, levels and distribution of flavonoids during tartary buckwheat seed development	Song C, et al.	2016	10.1080/13 43943X.201 6.1207485
	Kitawasesoba (1)	Growth and yield of self-compatible and hybrid common buckwheat lines pollinated with and without flies	Kasajima S, et al.	2017	10.1080/13 43943X.201 7.1375380
	Buckwheat flour quality (1)	Evaluation of Cultivar Differences in Preharvest Sprouting of Common Buckwheat (<i>Fagopyrum esculentum</i> Moench)	Hara T, et al.	2008	10.1626/pps .11.82
Buckwheat noodle (1)	Effects of Sprouting on Texture of Cooked Buckwheat (<i>Fagopyrum esculentum</i> Moench) Noodles	Hara T, et al.	2009	10.1626/pps .12.492	
<i>Echinochloa frumentacea</i> (1)		Growth of Roots Emerged from Excised Phytomers of Three Gramineous Species under a Low Osmotic Potential	Matsuura A, et al.	2000	10.1626/pps .3.55
<i>Echinochloa utilis</i> (1)		Strictness of the Centrifugal Location of Bundle Sheath Chloroplasts in Different NADP-ME Type C ₄ Grasses	Taniguchi Y, et al.	2003	10.1626/pps .6.274
Fingermillet (1)		Land Equivalent Ratio of Groundnut-Fingermillet Intercrops as Affected by Plant Combination Ratio, and Nitrogen and Water Availability	Runkulatile H, et al.	1998	10.1626/pps .1.39
Foxtail millet (1)		Xanthophyll levels in foxtail millet grains according to variety and harvesting time	Yano A, et al.	2017	10.1080/13 43943X.201 6.1246347
Japanese millet (1)		Effects of Excess Magnesium on the Growth and Mineral Content of Rice and <i>Echinochloa</i>	Kobayashi H, et al.	2005	10.1626/pps .8.38
Maize (48)	Maize (18)	Acetylcholine as a Signaling System to Environmental Stimuli in Plants. III. Asymmetric solute distribution controlled by ACh in gravistimulated maize seedlings	Momonoki YS, et al.	1998	10.1626/pps .1.83
		Rooting Nodes of Deep Roots in Rice and Maize Grown in a Long Tube	Araki H, et al.	1998	10.1626/pps .1.242
		The Distribution of Wheat and Maize Roots as Influenced by Biopores in a Subsoil of the Kanto Loam Type	Nakamoto T.	2000	10.1626/pps .3.140
		Recovery of ¹⁵ N-labeled Ammonium by Barley and Maize Grown on the Soils with Long-Term Application of Chemical and Organic Fertilizers	Li K, et al.	2001	10.1626/pps .4.29
		The Spatial Variability Patterns of Maize Growth and Root Colonization by Arbuscular Mycorrhizal Fungi in a Small Field	Nakamoto T, et al.	2001	10.1626/pps .4.249
		Influence of Soybean and Maize Roots on the Seasonal Change in Soil Aggregate Size and Stability	Nakamoto T, et al.	2001	10.1626/pps .4.317
		Maize-Soybean-Cowpea Sequential Cropping as a Sustainable Crop Production for Acid-Infertile Clay Soils in Indonesia	Izumi Y, et al.	2004	10.1626/pps .7.356
		Differential Sensitivity of Chloroplasts in Mesophyll and Bundle Sheath Cells in Maize, an NADP-Malic Enzyme-Type C ₄ Plant, to Salinity Stress	Hasan R, et al.	2005	10.1626/pps .8.567

Maize (continued)	Maize (continued)	Soil Productivity after Decomposition of Waste Materials under Different Soil Moisture and Temperature	Thongjoo C, et al.	2006	10.1626/pps .9.106
		Difference in Tolerance to Potassium Deficiency between Two Maize Inbred Lines	Minjian C, et al.	2007	10.1626/pps .10.42
		Combined Soil Physical Stress of Soil Drying, Anaerobiosis and Mechanical Impedance to Seedling Root Growth of Four Crop Species	Iijima M, et al.	2007	10.1626/pps .10.451
		Effect of Gibberellin and Uniconazole on Mesocotyl Elongation of Dark-Grown Maize under Different Seeding Depths	Zhao G, et al.	2008	10.1626/pps .11.423
		Dynamics of Root Border Cells in Rhizosphere Soil of <i>Zea mays</i> L.: Crushed Cells during Root Penetration, Survival in Soil, and Long Term Soil Compaction Effect	Somasundaram S, et al.	2008	10.1626/pps .11.440
		Rhizodeposition of Mucilage, Root Border Cells, Carbon and Water under Combined Soil Physical Stresses in <i>Zea mays</i> L.	Somasundaram S, et al.	2009	10.1626/pps .12.443
		Inoculation with Arbuscular Mycorrhizal Fungi or Crop Rotation with Mycorrhizal Plants Improves the Growth of Maize in Limed Acid Sulfate Soil	Higo M, et al.	2010	10.1626/pps .13.74
		Germination Characteristics of SC701 Maize Hybrid According to Size and Shape at Different Temperature Regimes	Akinnuoye DB, et al.	2015	10.1626/pps .18.514
		An application of digital imagery analysis to understand the effect of N application on light interception, radiation use efficiency, and grain yield of maize under various agro-environments in Northern Mozambique	Tsujimoto Y, et al.	2017	10.1080/1343943X.2016.1240013
		Yield response, water productivity, and seasonal water production functions for maize under deficit irrigation water management in southern Taiwan	Greaves GE, et al.	2017	10.1080/1343943X.2017.1365613
	<i>Zea mays</i> (22)	Non-destructive Method for Root Elongation Measurement in Soil Using Acoustic Emission Sensors	Shimotashiro T, et al.	1998	10.1626/pps .1.25
		Non-destructive Method for Root Elongation Measurement in Soil Using Acoustic Emission Sensors. II. Spatial measurement of single root elongation	Shimotashiro T, et al.	1998	10.1626/pps .1.248
		Quantitative Analysis of Soil Sheath Distribution in Maize Root Systems	Sako Y, et al.	1999	10.1626/pps .2.25
		Allelopathy in Maize. I. Isolation and identification of allelochemicals in maize seedlings	Kato-Noguchi H, et al.	2000	10.1626/pps .3.43
		Allelopathy in Maize. II. Allelopathic potential of a new benzoxazinone, 5-chloro-6-methoxy-2-benzoxazinone and its analogues	Kato-Noguchi H.	2000	10.1626/pps .3.47
		Growth of Roots Emerged from Excised Phytomers of Three Gramineous Species under a Low Osmotic Potential	Matsuura A, et al.	2000	10.1626/pps .3.55
		Below-Ground Competition in a Maize/Groundnut Intercropping System as Affected by the Rooting Soil Layer	Subasinghe S, et al.	2000	10.1626/pps .3.108
		Which Roots Penetrate the Deepest in Rice and Maize Root Systems?	Araki H, et al.	2000	10.1626/pps .3.281
		Strictness of the Centrifugal Location of Bundle Sheath Chloroplasts in Different NADP-ME Type C ₄ Grasses	Taniguchi Y, et al.	2003	10.1626/pps .6.274
		Sugar Accumulation along the Seminal Root Axis, as Affected by Osmotic Stress in Maize: A Possible Physiological Basis for Plastic Lateral Root Development	Ogawa A, et al.	2005	10.1626/pps .8.173
Root Morphological Plasticity for Heterogeneous Phosphorus Supply in <i>Zea mays</i> L.	Yano K, et al.	2005	10.1626/pps .8.427		
Root Osmotic Adjustment under Osmotic Stress in Maize Seedlings. 1. Transient Change of Growth and Water Relations in Roots in Response to Osmotic Stress	Ogawa A, et al.	2006	10.1626/pps .9.27		
Root Osmotic Adjustment under Osmotic Stress in Maize Seedlings. 2. Mode of Accumulation of Several Solutes for Osmotic Adjustment in the Root	Ogawa A, et al.	2006	10.1626/pps .9.39		
Salinity Stress Induces Granal Development in Bundle Sheath Chloroplasts of Maize, an NADP-Malic Enzyme-Type C ₄ Plant	Hasan R, et al.	2006	10.1626/pps .9.256		

Maize (continued)	<i>Zea mays</i> (continued)	Effects of Alternate Furrow Irrigation with Supplemental Every-Furrow Irrigation at Different Growth Stages on the Yield of Maize (<i>Zea mays</i> L.)	Sepaskhah AR, et al.	2006	10.1626/pps .9.415
		Effects of Various Phytohormones on Haploid Wheat Production in Wheat x Maize Crosses	Ushiyama T, et al.	2007	10.1626/pps .10.36
		Response to GA and Variation of the Culm Length in Doubled Haploid Lines of Wheat	Ushiyama T, et al.	2008	10.1626/pps .11.217
		Sucrose Metabolism for the Development of Seminal Root in Maize Seedlings	Ogawa A, et al.	2009	10.1626/pps .12.9
		Analysis and Modelling of the Effects of Water Stress on Maize Growth and Yield in Dryland Conditions	Song Y, et al.	2010	10.1626/pps .13.199
		Auxin Polar Transport is Essential for the Early Growth Stage of Etiolated Maize (<i>Zea mays</i> L. cv. Honey Bantam) Seedlings	Ueda J, et al.	2014	10.1626/pps .17.144
		Allometric Relationships of Maize Organ Development under Different Water Regimes and Plant Densities	Song Y, et al.	2015	10.1626/pps .18.1
		Interseeding a Cover Crop as a Weed Management Tool is More Compatible with Soybean than with Maize in Organic Farming Systems	Uchino H, et al.	2015	10.1626/pps .18.187
	Corn (1)	Growth, Yield and Land Use Efficiency of Corn and Legumes Grown under Intercropping Systems	Polthanee A, et al.	2003	10.1626/pps .6.139
	Maize and wheat yield (1)	Restoring the Land Productivity of Eroded Land through Soil Water Conservation and Improved Fertilizer Application on Pothwar plateau in Punjab Province, Pakistan	Shaheen A, et al.	2011	10.1626/pps .14.196
	Maize equivalent yield (1)	Productivity, Weed Dynamics, Nutrient Mining, and Monetary Advantage of Maize-Legume Intercropping in the Eastern Himalayan Region of India	Choudhary VK, et al.	2014	10.1626/pps .17.342
	Maize seedlings (1)	Effects of Coronatine on Growth, Gas Exchange Traits, Chlorophyll Content, Antioxidant Enzymes and Lipid Peroxidation in Maize (<i>Zea mays</i> L.) Seedlings under Simulated Drought Stress	Wang B, et al.	2008	10.1626/pps .11.283
	Maize-soybean intercropping (1)	Performance of Maize-Soybean Intercropping under Various N Application Rates and Soil Moisture Conditions in Northern Mozambique	Tsujimoto Y, et al.	2015	10.1626/pps .18.365
Super sweet corn (1)	Improving the Field Emergence Performance of Super Sweet Corn by Sand Priming	Zhao G, et al.	2009	10.1626/pps .12.359	
Sweet corn (1)	Reduction of Phosphatic and Potash Fertilizer in Sweet Corn Production by Pre-transplanting Application of Potassium Phosphate to Plug Seedlings	Watanabe K, et al.	2005	10.1626/pps .8.608	
Teosinte (1)	Variations in physiological, biochemical, and structural traits of photosynthesis and resource use efficiency in maize and teosintes (NADP-ME-type C ₄)	Yabiku T, et al.	2017	10.1080/13 43943X.201 7.1398050	
Millet (2)		Effect of Pre- and Post-heading Water Deficit on Growth and Grain Yield of Four Millets	Matsuura A, et al.	2012	10.1626/pps .15.323
		Effect of pre- and post-heading waterlogging on growth and grain yield of four millets	Matsuura A, et al.	2016	10.1080/13 43943X.201 6.1146907
Pearl millet (6)	Pearl millet (3)	Genetic Gain and Heritability of Seedling Characters Selected at a Low Temperature in Pearl Millet (<i>Pennisetum typhoideum</i> Rich.)	Totok ADH, et al.	1998	10.1626/pps .1.47
		Effects of Selection for Yield Components on Grain Yield in Pearl Millet (<i>Pennisetum typhoideum</i> Rich.)	Totok ADH, et al.	1998	10.1626/pps .1.52
		Short-term evaluation of oxygen transfer from rice (<i>Oryza sativa</i>) to mixed planted drought-adapted upland crops under hydroponic culture	Iijima M, et al.	2017	10.1080/13 43943X.201 7.1379882
	<i>Pennisetum</i> (1)	Effects of Cutting Interval and Cutting Height on Dry Matter Yield and Overwintering Ability at the Established Year in <i>Pennisetum</i> Species	Wadi A, et al.	2004	10.1626/pps .7.88
	<i>Pennisetum glaucum</i> (1)	Recent Advances in Marker-Assisted Selection for Drought Tolerance in Pearl Millet	Serraj R, et al.	2005	10.1626/pps .8.334
	<i>Pennisetum typhoideum</i> (1)	Growth of Roots Emerged from Excised Phytomers of Three Gramineous Species under a Low Osmotic Potential	Matsuura A, et al.	2000	10.1626/pps .3.55
Rye (1)	<i>Secale cereale</i> (1)	Quantitative Analysis of Cell Division and Cell Death in Seminal Root of Rye under Salt Stress	Ogawa A, et al.	2006	10.1626/pps .9.56
Sorghum (24)	Sorghum (7)	Screening of Al-Tolerant Sorghum by Hematoxylin Staining and Growth Response	Anas A, et al.	2000	10.1626/pps .3.246
		Genetic Diversity among Japanese Cultivated Sorghum Assessed with Simple Sequence Repeats Markers	Anas, et al.	2004	10.1626/pps .7.217

Sorghum (continued)	Sorghum (continued)	Heritability and Genetic Correlation of Al-Tolerance with Several Agronomic Characters in Sorghum Assessed by Hematoxylin Staining	Anas, et al.	2004	10.1626/pps .7.280
		Sorghum Diversity Evaluated by Simple Sequence Repeat (SSR) Markers and Phenotypic Performance	Anas, et al.	2004	10.1626/pps .7.301
		Radiometric Estimation of Canopy Leaf Inclination Angles of Various Crop Species Using Multi-Band Polarization and Reflectance	Shibayama M.	2006	10.1626/pps .9.156
		Eclipse Effects on CO ₂ Profile within and above Sorghum Canopy	Tominaga J, et al.	2010	10.1626/pps .13.338
		Effects of Vertical Gradient of Leaf Nitrogen Content on Canopy Photosynthesis in Tall and Dwarf Cultivars of Sorghum	Tominaga J, et al.	2015	10.1626/pps .18.336
	<i>Sorghum bicolor</i> (8)	Effects of Physiological Status of Parent Plants and Culture Medium Composition on the Anther Culture of Sorghum	Can ND, et al.	1998	10.1626/pps .1.211
		Combining Ability of Callus Induction and Plant Regeneration in Sorghum Anther Culture	Can ND, et al.	1999	10.1626/pps .2.125
		Genotypic Difference of <i>Sorghum bicolor</i> in the Callus Formation and Callus Growth on Aluminum-Containing Medium	Anas A, et al.	2002	10.1626/pps .5.242
		Strictness of the Centrifugal Location of Bundle Sheath Chloroplasts in Different NADP-ME Type C ₄ Grasses	Taniguchi Y, et al.	2003	10.1626/pps .6.274
		Development and Distribution of Root System in Two Grain Sorghum Cultivars Originated from Sudan under Drought Stress	Tsuji W, et al.	2005	10.1626/pps .8.553
		Analysis of Successive Internode Growth in Sweet Sorghum Using Leaf Number as a Plant Age Indicator	Nakamura S, et al.	2011	10.1626/pps .14.299
		Relation between Stem Growth Processes and Internode Length Patterns in Sorghum Cultivar 'Kazetachi'	Fujii A, et al.	2014	10.1626/pps .17.185
		Relation between seeding times and stem yield of sorghum in cold region in Japan	Fujii A, et al.	2016	10.1080/13 43943X.201 5.1128102
	Kazetachi (2)	Relation between Stem Growth Processes and Internode Length Patterns in Sorghum Cultivar 'Kazetachi'	Fujii A, et al.	2014	10.1626/pps .17.185
		Relation between seeding times and stem yield of sorghum in cold region in Japan	Fujii A, et al.	2016	10.1080/13 43943X.201 5.1128102
	Sweet sorghum (5)	Cultivation of Sweet Sorghum (<i>Sorghum bicolor</i> (L.) Moench) and Determination of its Harvest Time to Make Use as the Raw Material for Fermentation, Practiced during Rainy Season in Dry Land of Indonesia	Tsuchihashi N, et al.	2004	10.1626/pps .7.442
		Internode Characteristics of Sweet Sorghum (<i>Sorghum bicolor</i> (L.) Moench) during Dry and Rainy Seasons in Indonesia	Tsuchihashi N, et al.	2005	10.1626/pps .8.601
		Year-Round Cultivation of Sweet Sorghum [<i>Sorghum bicolor</i> (L.) Moench] through a Combination of Seed and Ratoon Cropping in Indonesian Savanna	Tsuchihashi N, et al.	2008	10.1626/pps .11.377
		Analysis of Successive Internode Growth in Sweet Sorghum Using Leaf Number as a Plant Age Indicator	Nakamura S, et al.	2011	10.1626/pps .14.299
		Relation between seeding times and stem yield of sorghum in cold region in Japan	Fujii A, et al.	2016	10.1080/13 43943X.201 5.1128102
Sweet sorghum bagasse (1)	Fate of ¹⁵ N-labeled Inorganic Fertilizer in an Upland Soil Applied with Sweet Sorghum Bagasse and N Uptake Efficiency by Komatsuna Plants	Asagi N, et al.	2015	10.1626/pps .18.535	
Wray (1)	Relation between seeding times and stem yield of sorghum in cold region in Japan	Fujii A, et al.	2016	10.1080/13 43943X.201 5.1128102	
Wheat (106)	Wheat (48)	A Comparison of Intensive Rice Production in Japan and Wheat Production in Europe: The Contribution of Minimum Tillage to Sustainability	Abivardi C, et al.	1998	10.1626/pps .1.149
		Comparison of Assimilation Rates in Leaves at Various Nodes in Canopies of Three Spring Wheat Cultivars with Different Plant Forms	Takahashi T.	1998	10.1626/pps .1.174
		The Effect of Day to Night Temperature Variation on Leaf Development in Wheat	Tamaki M, et al.	1998	10.1626/pps .1.254
		Growth and Panicle Characters of Wheat with a Single Primary Seminal Root allowed to Grow	Arima S, et al.	1999	10.1626/pps .2.21
		The Distribution of Wheat and Maize Roots as Influenced by Biopores in a Subsoil of the Kanto Loam Type	Nakamoto T.	2000	10.1626/pps .3.140

Wheat (continued)	Wheat (continued)	Effect of Seed Hardening, Wetting and Redrying before Sowing, on Germination and Seedling Emergence of a Japanese Wheat Variety Norin 61 in Desiccated Soil	Andoh H, et al.	2001	10.1626/pps .4.50
		Initiation and Development of Spikelets and Florets in Wheat as Influenced by Shading and Nitrogen Supply at the Spikelet Phase	Toyota M, et al.	2001	10.1626/pps .4.283
		Germination of Wheat Grains at Various Temperatures in Relation to the Activities of α -Amylase and Endoprotease	Ichinose Y, et al.	2002	10.1626/pps .5.110
		Spatial Variability Patterns of Wheat Growth and Soil Properties in a Small Field as Affected by Tillage Intensity	Nakamoto T, et al.	2002	10.1626/pps .5.175
		Confirmation of the Productivity of the Stored Seeds of Wheat and Two- Rowed Barley	Matsue Y, et al.	2002	10.1626/pps .5.187
		Simulating Organ Growth in Wheat Based on the Organ-Weight Fraction Concept	Cao X, et al.	2002	10.1626/pps .5.248
		Effects of Soil Moisture Depletion for One Month before Flowering on Dry Matter Production and Ecophysiological Characteristics of Wheat Plants in Wet Soil during Grain Filling	Nakamura E, et al.	2003	10.1626/pps .6.195
		Effects of a Reduction in Soil Moisture from One Month before Flowering through Ripening on Dry Matter Production and Ecophysiological Characteristics of Wheat Plants	Nakagami K, et al.	2004	10.1626/pps .7.143
		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
		Ecophysiological Traits of Field-Grown <i>Crotalaria incana</i> and <i>C. pallida</i> as Green Manure	Uratani A, et al.	2004	10.1626/pps .7.449
		Responses of Three Wheat Genotypes to High Soil Temperature during Grain Filling	Tahir ISA, et al.	2005	10.1626/pps .8.192
		Germplasm Enhancement and Breeding Strategies for Crop Quality in Japan	Okuno K, et al.	2005	10.1626/pps .8.320
		Identification of RAPD Markers and Development of SCAR Markers Linked to a Powdery Mildew Resistance Gene, and their Location on Chromosome in Wheat Cultivar Brock	Wang Z, et al.	2005	10.1626/pps .8.578
		Radiometric Estimation of Canopy Leaf Inclination Angles of Various Crop Species Using Multi-Band Polarization and Reflectance	Shibayama M.	2006	10.1626/pps .9.156
		Ascorbic Acid Suppresses Germination and Dynamic States of Water in Wheat Seeds	Ishibashi Y, et al.	2006	10.1626/pps .9.172
		Specific Variation in Shoot Growth and Root Traits under Waterlogging Conditions of the Seedlings of Tribe Triticeae Including Mizutakamoji (<i>Agropyron humidum</i>)	Kubo K, et al.	2007	10.1626/pps .10.91
		Effect of Light Quality on Developmental Rate of Wheat under Continuous Light at a Constant Temperature	Kasajima S, et al.	2007	10.1626/pps .10.286
		Estimating the Mean Leaf Inclination Angle of Wheat Canopies Using Reflected Polarized Light	Shibayama M, et al.	2007	10.1626/pps .10.329
		Analysis of Common Canopy Reflectance Spectra for Indicating Leaf Nitrogen Concentrations in Wheat and Rice	Zhu Y, et al.	2007	10.1626/pps .10.400
		Genetic Opportunities to Improve Cereal Root Systems for Dryland Agriculture	Richards RA, et al.	2008	10.1626/pps .11.12
		Alternative Respiratory Pathway under Drought is Partially Mediated by Hydrogen Peroxide and Contributes to Antioxidant Protection in Wheat Leaves	Feng H, et al.	2008	10.1626/pps .11.59
Developmental Responses of Wheat cv. Norin 61 to Fluence Rate of Green Light	Kasajima S, et al.	2008	10.1626/pps .11.76		
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		
Effects of Soil Moisture Conditions before Heading on Growth of Wheat Plants under Drought Conditions in the Ripening Stage: Insufficient Soil Moisture Conditions before Heading Render Wheat Plants More Resistant to Drought during Ripening	Saidi A, et al.	2008	10.1626/pps .11.403		
Testing Polarization Measurements with Adjusted View Zenith Angles in Varying Illumination Conditions for Detecting Leaf Orientation of Wheat Canopy	Shibayama M, et al.	2008	10.1626/pps .11.498		

Wheat (continued)	Wheat (continued)	A Knowledge-Based Model for Nitrogen Management in Rice and Wheat	Cao J, et al.	2009	10.1626/pps .12.100	
		Response Spectrum for Green Light-Induced Acceleration of Heading in Wheat cv. Norin 61	Kasajima S, et al.	2009	10.1626/pps .12.54	
		Pedigree Analysis of Early Maturing Wheat Cultivars in Japan for Breeding Cultivars with Higher Performance	Ushiyama T, et al.	2009	10.1626/pps .12.80	
		Physiological Mechanisms of Poor Grain Growth in Abnormally Early Ripening Wheat Grown in West Japan	Hossain MA, et al.	2009	10.1626/pps .12.278	
		Physiological Response of Three Wheat Cultivars to High Shoot and Root Temperatures during Early Growth Stages	Tahir ISA, et al.	2009	10.1626/pps .12.409	
		Effects of Excessive Ear Removal on Senescence Order of Wheat Functional Leaves	Miao F, et al.	2009	10.1626/pps .12.428	
		Effects of Reduction in Plant Height Induced by Chlormequat on Radiation Interception and Radiation-Use Efficiency in Wheat in Southwest Japan	Toyota M, et al.	2010	10.1626/pps .13.67	
		Effect of Altitude on the Response of Net Photosynthetic Rate to Carbon Dioxide Increase by Spring Wheat	Fujimura S, et al.	2010	10.1626/pps .13.141	
		Responses of Root Growth to Moderate Soil Water Deficit in Wheat Seedlings	Saidi A, et al.	2010	10.1626/pps .13.261	
		A Multiband Polarimetric Imager for Field Crop Survey: Instrumentation and Preliminary Observations of Heading-stage Wheat Canopies	Shibayama M, et al.	2011	10.1626/pps .14.64	
		The Effect of Different Nitrogen Sources from Urea and Ammonium Sulfate on the Spikelet Number in Egyptian Spring Wheat Cultivars on Well Watered Pot Soils	Hafez EEDMM, et al.	2012	10.1626/pps .15.332	
		Long-term Effect of Year-Round Tillage Patterns on Yield and Grain Quality of Wheat	Tang Y, et al.	2013	10.1626/pps .16.365	
		Tillering Responses to High Red/Far-Red Ratio of Four Japanese Wheat Cultivars	Toyota M, et al.	2014	10.1626/pps .17.124	
		Growth and Yield Properties of Near-Isogenic Wheat Lines Carrying Different Photoperiodic Response Genes	Matsuyama H, et al.	2015	10.1626/pps .18.57	
		Effects of Ammonium Chloride Fertilizer and its Application Stage on Cadmium Concentrations in Wheat (<i>Triticum aestivum</i> L.) Grain	Ishikawa N, et al.	2015	10.1626/pps .18.137	
		Improvement of seedling establishment under flood condition by seed coating with molybdenum compounds for wheat and barley	Hara Y.	2016	10.1080/13 43943X.201 5.1128110	
		Analysis of yield-attributing traits for high-yielding wheat lines in southwestern Japan	Okami M, et al.	2016	10.1080/13 43943X.201 6.1151331	
		Comparison of the effects of seed coating with tungsten and molybdenum compounds on seedling establishment rates of rice, wheat, barley, and soybean under flooded conditions	Hara Y.	2017	10.1080/13 43943X.201 7.1360141	
		<i>Triticum aestivum</i> (22)	GA3 and Proline Promote Germination of Wheat Seeds by Stimulating α -Amylase at Unfavorable Temperatures	Sultana N, et al.	2000	10.1626/pps .3.232
			Storage and Remobilization of Soluble Carbohydrates after Heading in Different Plant Parts of a Winter Wheat Cultivar	Takahashi T, et al.	2001	10.1626/pps .4.160
			Deep Rooting in Winter Wheat : Rooting Nodes of Deep Roots in Two Cultivars with Deep and Shallow Root Systems	Araki H, et al.	2001	10.1626/pps .4.215
			Responses of the First Internodes of Hong Mang Mai Wheat to Ethylene, Gibberellins and Potassium	Nishizawa T, et al.	2002	10.1626/pps .5.93
Crop Production in Successive Wheat-Soybean Rotation with No-Tillage Practice in Relation to the Root System Development	Izumi Y, et al.		2004	10.1626/pps .7.329		
Anatomical Characteristics of the Formation of Crown Root Primordia in Unelongated Stems of Wheat	Nitta Y, et al.		2005	10.1626/pps .8.186		
Genotypic Variation of the Ability of Root to Penetrate Hard Soil Layers among Japanese Wheat Cultivars	Kubo K, et al.		2006	10.1626/pps .9.47		
Effect of 2,4-Dichlorophenoxyacetic Acid on the Efficiency of Wheat Haploid Production by the <i>Hordeum bulbosum</i> Method	Ushiyama T, et al.		2006	10.1626/pps .9.206		

Wheat (continued)	<i>Triticum aestivum</i> (continued)	Relation between Crown Root Primordia Formation and Stem Size in Unelongated Stems of Wheat (<i>Triticum aestivum</i> L.)	Nitta Y, et al.	2006	10.1626/pps .9.266
		Effects of Various Phytohormones on Haploid Wheat Production in Wheat x Maize Crosses	Ushiyama T, et al.	2007	10.1626/pps .10.36
		Effect of Nitrogen Application Rate and Timing on Grain Yield and Protein Content of the Bread Wheat Cultivar 'Minaminokaori' in Southwestern Japan	Nakano H, et al.	2008	10.1626/pps .11.151
		Response to GA and Variation of the Culm Length in Doubled Haploid Lines of Wheat	Ushiyama T, et al.	2008	10.1626/pps .11.217
		Cadmium Concentration in Grains of Japanese Wheat Cultivars: Genotypic Difference and Relationship with Agronomic Characteristics	Kubo K, et al.	2008	10.1626/pps .11.243
		Effects of Alternate Furrow Irrigation and Nitrogen Application Rates on Yield and Water- and Nitrogen-Use Efficiency of Winter Wheat (<i>Triticum aestivum</i> L.)	Sepaskhah AR, et al.	2008	10.1626/pps .11.250
		Relationship between Deep Root Distribution and Root Penetration Capacity Estimated by Pot Experiments with a Paraffin and Vaseline Layer for Landraces and Recent Cultivars of Wheat	Kubo K, et al.	2008	10.1626/pps .11.487
		Effects of Seeding Rate and Nitrogen Application Rate on Grain Yield and Protein Content of the Bread Wheat Cultivar 'Minaminokaori' in Southwestern Japan	Nakano H, et al.	2009	10.1626/pps .12.109
		Comparison of Growth and Grain Yield of Spring Wheat in Lhasa, the Tibetan Plateau, with those in Sapporo, Japan	Fujimura S, et al.	2009	10.1626/pps .12.116
		Effects of Subsoiling to the Non-tilled Field of Wheat-Soybean Rotation on the Root System Development, Water Uptake, and Yield	Izumi Y, et al.	2009	10.1626/pps .12.327
		Leaf Blade Dry Weight and Leaf Area Index × SPAD Value at Anthesis Can Be Used to Estimate Nitrogen Application Rate at Anthesis Required to Obtain Target Protein Content of Grain in Bread Wheat	Nakano H, et al.	2010	10.1626/pps .13.297
		Differences in Cadmium Accumulation and Root Morphology in Seedlings of Japanese Wheat Varieties with Distinctive Grain Cadmium Concentration	Kubo K, et al.	2011	10.1626/pps .14.148
		Grain Nitrogen Concentration in Wheat Grown under Intensive Organic Manure Application on Andosols in Central Japan	Kato Y.	2012	10.1626/pps .15.40
		Effects of CO ₂ Increase on Wheat Growth and Yield under Different Atmospheric Pressures and Their Interaction with Temperature	Fujimura S, et al.	2012	10.1626/pps .15.118
		<i>Triticum durum</i> (1)	Effect of Phosphoric Amide Herbicide APM on the Structure and Protein Composition of Chromosome in <i>Triticum durum</i>	Peng Y, et al.	2003
<i>Triticum turgidum</i> (1)	Relationship between Deep Root Distribution and Root Penetration Capacity Estimated by Pot Experiments with a Paraffin and Vaseline Layer for Landraces and Recent Cultivars of Wheat	Kubo K, et al.	2008	10.1626/pps .11.487	
Bobwhite (1)	Aerenchyma Formation in the Seminal Roots of Japanese Wheat Cultivars in Relation to Growth under Waterlogged Conditions	Haque ME, et al.	2012	10.1626/pps .15.164	
Bread wheat (4)	Effect of Nitrogen Application Rate and Timing on Grain Yield and Protein Content of the Bread Wheat Cultivar 'Minaminokaori' in Southwestern Japan	Nakano H, et al.	2008	10.1626/pps .11.151	
	Effects of Seeding Rate and Nitrogen Application Rate on Grain Yield and Protein Content of the Bread Wheat Cultivar 'Minaminokaori' in Southwestern Japan	Nakano H, et al.	2009	10.1626/pps .12.109	
	Leaf Blade Dry Weight and Leaf Area Index×SPAD Value at Anthesis Can Be Used to Estimate Nitrogen Application Rate at Anthesis Required to Obtain Target Protein Content of Grain in Bread Wheat	Nakano H, et al.	2010	10.1626/pps .13.297	
	Effect of Genotype, Environment and Their Interaction on Quality Parameters of Wheat Breeding Lines of Diverse Grain Hardness	Surma M, et al.	2012	10.1626/pps .15.192	
Daichinominori (1)	Grain Filling Mechanisms in Two Wheat Cultivars, Haruyutaka and Daichinominori, grown in Western Japan and in Hokkaido	Hossain MA, et al.	2010	10.1626/pps .13.156	
Dryland wheat (1)	Effects of Crop Residue and Nitrogen Rates on Yield and Yield Components of Two Dryland Wheat (<i>Triticum aestivum</i> L.) Cultivars	Sadeghi H, et al.	2009	10.1626/pps .12.497	

Wheat (continued)	Durum wheat (2)	Analysis of Genotype-by-Environment Interaction for Agronomic Traits of Durum Wheat in Iran	Mohammadi R, et al.	2011	10.1626/pps .14.15
		Path analysis of genotype x environment interactions in rainfed durum wheat	Mohammadi R, et al.	2016	10.1080/1343943X.2015.1128100
	Haruyutaka (1)	Grain Filling Mechanisms in Two Wheat Cultivars, Haruyutaka and Daichinominori, grown in Western Japan and in Hokkaido	Hossain MA, et al.	2010	10.1626/pps .13.156
	Maize and wheat yield (1)	Restoring the Land Productivity of Eroded Land through Soil Water Conservation and Improved Fertilizer Application on Pothwar plateau in Punjab Province, Pakistan	Shaheen A, et al.	2011	10.1626/pps .14.196
	Minaminokaori (3)	Effect of Nitrogen Application Rate and Timing on Grain Yield and Protein Content of the Bread Wheat Cultivar 'Minaminokaori' in Southwestern Japan	Nakano H, et al.	2008	10.1626/pps .11.151
		Effects of Seeding Rate and Nitrogen Application Rate on Grain Yield and Protein Content of the Bread Wheat Cultivar 'Minaminokaori' in Southwestern Japan	Nakano H, et al.	2009	10.1626/pps .12.109
		Leaf Blade Dry Weight and Leaf Area Index \times SPAD Value at Anthesis Can Be Used to Estimate Nitrogen Application Rate at Anthesis Required to Obtain Target Protein Content of Grain in Bread Wheat	Nakano H, et al.	2010	10.1626/pps .13.297
	Shiroganekomugi (1)	Aerenchyma Formation in the Seminal Roots of Japanese Wheat Cultivars in Relation to Growth under Waterlogged Conditions	Haque ME, et al.	2012	10.1626/pps .15.164
	Spring wheat (6)	Effect of the Interaction between Cultural Condition and Genotype on Spike Morphogenesis in Spring Wheat	Itoh H, et al.	1998	10.1626/pps .1.56
		Analysis of Spike Development of Three Spring Wheat Genotypes under Various Cultural Conditions	Itoh H, et al.	1998	10.1626/pps .1.258
		Factors Relating to Seedling Emergence in Spring Wheat	Ueno K, et al.	1999	10.1626/pps .2.235
		The Development of Coleoptile Tillers in Relation to Seedling Vigor in Early-Maturing Varieties of Spring Type Wheat	Fujita R, et al.	2000	10.1626/pps .3.275
		Phenological Development in Relation to Temperature of Winter Wheat Iwainodaichi Seeded Early in Southwestern Japan	Fukushima A, et al.	2005	10.1626/pps .8.152
		Assimilate Supply as a Yield Determination Factor in Spring Wheat under High Temperature Conditions in the Mediterranean Zone of South-East Turkey	Kobata T, et al.	2012	10.1626/pps .15.216
	Wheat cultivar (3)	Investigation of Yielding Ability of Wheat Cultivars for Early-Sowing Cultivation in Yamaguchi	Zhang L, et al.	2006	10.1626/pps .9.83
		Leaf Growth, Gas Exchange and Chlorophyll Fluorescence Parameters in Response to Different Water Deficits in Wheat Cultivars	Wu X, et al.	2011	10.1626/pps .14.254
		Hagberg Falling Number and Rheological Properties of Wheat Cultivars in Wet and Dry Preharvest Periods	Dencic S, et al.	2013	10.1626/pps .16.342
	Wheat flour (1)	Effects of Preharvest Sprouting on Flour Pasting Viscosity in Common Buckwheat (<i>Fagopyrum esculentum</i> Moench)	Hara T, et al.	2007	10.1626/pps .10.361
	Wheat Grow model (1)	Assimilating Remotely Sensed Information with the Wheat Grow Model Based on the Ensemble Square Root Filter for Improving Regional Wheat Yield Forecasts	Huang Y, et al.	2013	10.1626/pps .16.352
	Wheat growth stages (1)	Chlorophyll Fluorescence and Yield Responses of Winter Wheat to Waterlogging at Different Growth Stages	Wu X, et al.	2015	10.1626/pps .18.284
	Winter wheat (5)	Phenological Development in Relation to Temperature of Winter Wheat Iwainodaichi Seeded Early in Southwestern Japan	Fukushima A, et al.	2005	10.1626/pps .8.152
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	
Predicting the Protein Content of Grain in Winter Wheat with Meteorological and Genotypic Factors		Pan J, et al.	2006	10.1626/pps .9.323	
Effects of Irrigation and Straw Mulching on Microclimate Characteristics and Water Use Efficiency of Winter Wheat in North China		Li Q, et al.	2008	10.1626/pps .11.161	
Effects of Soil Type, Vertical Root Distribution and Precipitation on Grain Yield of Winter Wheat		Itoh H, et al.	2009	10.1626/pps .12.503	

Wheat (continued)	Winter wheat cultivars (2)	Factors in the Reduction in Grain Number in Winter Wheat by Early-Sowing in Yamaguchi	Zhang L, et al.	2007	10.1626/ppp.10.189
		Effects of supplemental irrigation based on soil moisture levels on photosynthesis, dry matter accumulation, and remobilization in winter wheat (<i>Triticum aestivum</i> L.) cultivars	Meng MM, et al.	2017	10.1080/1343943X.2017.1302307