

PPS Keyword List: Keywords related to Cultivation/Farming from PPS vol. 1 - 20

CULTIVATION / FARMING

Keyword		Article title (downloadable pdf link)	Author	Year	DOI
Artificial pollination (1)		Can Hot-Water Emasculation Be Applied to Artificial Hybridization of Indica-Type Cambodian Rice?	Ly T, et al.	2008	10.1626/pps.11.132
Breeding (14)	Breeding (6)	A Simple Method for Selection of Potato Lines with a Higher Root/Total Ratio at an Early Stage in the Seedling Generation	Iwama K, et al.	1998	10.1626/pps.1.286
		Steps Towards Feeding the Ten Billion: A crop physiologists View	Evans LT.	1999	10.1626/pps.2.3
		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
		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
		Genetic Opportunities to Improve Cereal Root Systems for Dryland Agriculture	Richards RA, et al.	2008	10.1626/pps.11.12
		Genetic Improvement of Iron Toxicity Tolerance in Rice-Progress, Challenges and Prospects in West Africa	Sikirou M, et al.	2015	10.1626/pps.18.423
	Breeding and selection (1)	Oil Palm: Achievements and Potential	Wahid MB, et al.	2005	10.1626/pps.8.288
	Breeding materials (2)	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
		Growth, Yield and Quality of Bird-Resistant Sunflower Cultivars Found in Genetic Resources	Yasumoto S, et al.	2012	10.1626/pps.15.23
	Breeding methods (1)	Revisiting rice breeding methods: evaluating the use of rapid generation advance (RGA) for routine rice breeding	Collard BCY, et al.	2017	10.1080/1343943X.2017.1391705
	Backcross breeding (1)	Introduction of the Long-Coleoptile Trait to Improve the Establishment of Direct-Seeded Rice in Submerged Fields in Cool Climates	Miura K, et al.	2002	10.1626/pps.5.219
	Marker-assisted breeding (2)	Recent Advances in Marker-Assisted Selection for Drought Tolerance in Pearl Millet	Serraj R, et al.	2005	10.1626/pps.8.334
		Breeding efforts to mitigate damage by heat stress to spikelet sterility and grain quality	Ishimaru T, et al.	2016	10.1080/1343943X.2015.1128113
	Molecular breeding (1)	Molecular Breeding for Rainfed Lowland Rice in the Mekong Region	Toojinda T, et al.	2005	10.1626/pps.8.330
Chamber (3)	Chamber effect (1)	A Multichannel Automated Chamber System for Continuous Measurement of Carbon Exchange Rate of Rice Canopy	Katsura K, et al.	2006	10.1626/pps.9.152
	Automated chamber system (1)	A Multichannel Automated Chamber System for Continuous Measurement of Carbon Exchange Rate of Rice Canopy	Katsura K, et al.	2006	10.1626/pps.9.152
	Stability-testing chamber (1)	An Efficient Method for Evaluating the Palatability Deterioration During Storage in Rice	Matsue Y, et al.	2003	10.1626/pps.6.107
Combining ability (1)		Combining Ability in the Rice Lines Selected for Direct-Seeding in Flooded Paddy Field	Won JG, et al.	2000	10.1626/pps.3.366
Conversion (1)	Time after conversion (1)	Comparison of Rice Yield after Various Years of Cultivation by Natural Farming	Neera P, et al.	1999	10.1626/pps.2.58
Cooperative effect (1)		Cooperative effects of sand application and flushing during the sensitive stages of rice on its yield in a hard saline-sodic soil	Wang MM, et al.	2016	10.1080/1343943X.2016.1195695
Coverage / Cover / Fence (3)	Coverage (1)	Stable Characteristics of Cover Crops for Weed Suppression in Organic Farming Systems	Uchino H, et al.	2011	10.1626/pps.14.75
	Ground cover pattern (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
	Green fence (1)	The Green Fence of Chinese Hibiscus (<i>Hibiscus rosa-sinensis</i> L.) Prevents Pollen Dispersal of Transgenic Rice (<i>Oryza sativa</i>)	Tseng CS, et al.	2012	10.1626/pps.15.100
Crop (14)	Crop improvement (4)	Current Status and Challenges of Rice Production in China	Peng S, et al.	2009	10.1626/pps.12.3
		Drought Resistance Improvement in Rice: An Integrated Genetic and Resource Management Strategy	Serraj R, et al.	2011	10.1626/pps.14.1

Crop (continued)	Crop improvement (continued)	Geostatistical Analysis of Yield, Soil Properties and Crop Management Practices in Paddy Rice Fields	Inamura T, et al.	2004	10.1626/pps.7.230
		Current Status and Challenges of Rice Production in China	Peng S, et al.	2009	10.1626/pps.12.3
	Crop rotation (7)	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
		Cassava-Based Intercropping Systems on Sumatra Island in Indonesia: Productivity, Soil Erosion, and Rooting Zone	Iijima M, et al.	2004	10.1626/pps.7.347
		Productivity and Water Source of Intercropped Wheat and Rice in a Direct-sown Sequential Cropping System: The Effects of No-tillage and Drought	Iijima M, et al.	2005	10.1626/pps.8.368
		Role of Belowground Parts of Green Manure Legumes, <i>Crotalaria spectabilis</i> and <i>Sesbania rostrata</i> , in N Uptake by the Succeeding Tendergreen Mustard Plant	Choi B, et al.	2008	10.1626/pps.11.116
		Effect of Hairy Vetch Incorporated as Green Manure on Growth and N Uptake of Sorghum Crop	Choi B, et al.	2008	10.1626/pps.11.211
		Effects of High Water Table and Short-Term Flooding on Growth, Yield, and Seed Quality of Sunflower	Yasumoto S, et al.	2011	10.1626/pps.14.233
		Effects of High Water Table and Short-Term Flooding on Growth, Yield, and Seed Quality of Sunflower	Tarui A, et al.	2013	10.1626/pps.16.383
	Mixed crop (1)	Effect of Supplementing Inorganic Fertilizer with Organic Fertilizer on Growth and Yield of Rice-Cowpea Mixed Crop	Amoah AA, et al.	2012	10.1626/pps.15.109
Preceding crops (2)	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	
	Effect of Winter Crop Species on Arbuscular Mycorrhizal Fungal Colonization and Subsequent Soybean Yields	Isobe K, et al.	2014	10.1626/pps.17.260	
Cropping (37)	Cropping intensity (1)	Annual Nutrient Balance and Soil Chemical Properties in Heavy Multiple Cropping System in the Coastal Area of Southeast Lake Dianchi, Yunnan Province, China	Wang Y, et al.	2015	10.1626/pps.18.323
		Effects of the Tillering Nodes on the Main Stem of a Chinese Large-Panicle-Type Rice Cultivar, Yangdao 4, on the Growth and Yield-Related Characteristics in Relation to Cropping Season	Gendua PA, et al.	2009	10.1626/pps.12.257
	Cropping system (4)	Changes in developmental duration of direct-seeded rice in a well-drained paddy field in response to late planting	Yasumoto S, et al.	2017	10.1080/1343943X.2017.1340801
		Grain Yield of Sorghum Cultivars in a Double Cropping System	Can ND, et al.	1999	10.1626/pps.2.121
		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
		Possibility of Introducing Winter Legumes, Hairy Vetch and Faba Bean, as Green Manures to Turmeric Cropping in Temperate Region	Yamawaki K, et al.	2014	10.1626/pps.17.173
	Alley cropping (1)	Effect of Winter Crop Species on Arbuscular Mycorrhizal Fungal Colonization and Subsequent Soybean Yields	Isobe K, et al.	2014	10.1626/pps.17.260
		Erosion Control on a Steep Sloped Coffee Field in Indonesia with Alley Cropping, Intercropped Vegetables, and No-Tillage	Iijima M, et al.	2003	10.1626/pps.6.224
	Double cropping (4)	Genotypic and Phenotypic Variances and Covariances in Early Maturing Grain Sorghum in a Double Cropping	Can ND, et al.	1999	10.1626/pps.2.67
		Grain Yield of Sorghum Cultivars in a Double Cropping System	Can ND, et al.	1999	10.1626/pps.2.121
Farmers' Management Practices and Grain Yield of Rice in Response to Different Water Environments in Kamping Puoy Irrigation Rehabilitation Area in Northwest Cambodia		Nguyen YTB, et al.	2011	10.1626/pps.14.377	
Performance of double cropping and relay intercropping for black soybean production in small-scale farms		Yamane K, et al.	2016	10.1080/1343943X.2016.1164574	
Double cropping system (1)	Effect of Introducing Nematode-Resistant Sweet Potato Cultivars on Crop Productivity and Nematode Density in Sweet Potato-Radish Double-Cropping Systems	Suzuki T, et al.	2012	10.1626/pps.15.48	
Intercropping (10)	Land Equivalent Ratio of Groundnut-Finger millet Intercrops as Affected by Plant Combination Ratio, and Nitrogen and Water Availability	Runkulatile H, et al.	1998	10.1626/pps.1.39	
	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	
	Growth, Yield and Land Use Efficiency of Corn and Legumes Grown under Intercropping Systems	Polthanee A, et al.	2003	10.1626/pps.6.139	

Cropping (continued)	Intercropping (continued)	Cassava-Based Intercropping Systems on Sumatra Island in Indonesia: Productivity, Soil Erosion, and Rooting Zone	Iijima M, et al.	2004	10.1626/pps .7.347
		Productivity and Water Source of Intercropped Wheat and Rice in a Direct-sown Sequential Cropping System: The Effects of No-tillage and Drought	Iijima M, et al.	2005	10.1626/pps .8.368
		Mixed Planting with Legumes Modified the Water Source and Water Use of Pearl Millet	Zegada-Lizarazu W, et al.	2005	10.1626/pps .8.433
		Water Acquisition from the Seasonal Wetland and Root Development of Pearl Millet Intercropped with Cowpea in a Flooding Ecosystem of Northern Namibia	Zegada-Lizarazu W, et al.	2007	10.1626/pps .10.20
		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
		Short-Term Effects of Differentiated Tillage on Dry Matter Production and Grain Yield of Autumn and Spring Sown Grain Legumes Grown Monocropped and Intercropped with Cereal Grains in Organic Farming	Rühlemann L, et al.	2015	10.1626/pps .18.76
		Effect of narrow-row planting patterns on crop competitive and economic advantage in maize-soybean relay strip intercropping system	Yang F, et al.	2017	10.1080/13 43943X.20 16.1224553
	Mixed cropping (1)	Mixed cropping with ice plant alleviates the damage and the growth of cowpea under consecutive NaCl treatment and after the recovery from high salinity	Nanhapo PI, et al.	2017	10.1080/13 43943X.20 17.1282828
	Monocropping (1)	Synergic Effect of Flooding and Nitrogen Application on Alleviation of Soil Sickness Caused by Aerobic Rice Monocropping	Nie L, et al.	2012	10.1626/pps .15.246
	Multiple cropping (1)	Annual Nutrient Balance and Soil Chemical Properties in Heavy Multiple Cropping System in the Coastal Area of Southeast Lake Dianchi, Yunnan Province, China	Wang Y, et al.	2015	10.1626/pps .18.323
	Paddy field cropping (2)	Comparison of Growth and Yield Performance of Several Water Chestnut Species Collected from Southwestern Japan and Middle China	Arima S, et al.	1999	10.1626/pps .2.273
		Variation in Growth and Yield Performance of Seventeen Water Chestnut Accessions (<i>Trapa</i> spp.) Collected from Asia and Europe	Suriyagoda L, et al.	2007	10.1626/pps .10.372
	Relay intercropping (4)	Evaluation of Soybean (<i>Glycine max</i>) Stem Vining in Maize-Soybean Relay Strip Intercropping System	Liu WG, et al.	2015	10.1626/pps .18.69
		Characteristics of Nitrogen Uptake, Use and Transfer in a Wheat-Maize-Soybean Relay Intercropping System	Yong TW, et al.	2015	10.1626/pps .18.388
		Responses to shade and subsequent recovery of soya bean in maize-soya bean relay strip intercropping	Wu Y, et al.	2016	10.1080/13 43943X.20 15.1128095
		Performance of double cropping and relay intercropping for black soybean production in small-scale farms	Yamane K, et al.	2016	10.1080/13 43943X.20 16.1164574
	Relay strip intercropping (2)	Seed Treatment with Uniconazole Powder Improves Soybean Seedling Growth under Shading by Corn in Relay Strip Intercropping System	Yan Y, et al.	2010	10.1626/pps .13.367
		Influence of Seed Treatment with Uniconazole Powder on Soybean Growth, Photosynthesis, Dry Matter Accumulation after Flowering and Yield in Relay Strip Intercropping System	Yan YH, et al.	2015	10.1626/pps .18.295
	Relay strip intercropping system (1)	Isoflavonoid Accumulation Pattern as Affected by Shading from Maize in Soybean (<i>Glycine max</i> (L.) Merr.) in Relay Strip Intercropping System	Wan Y, et al.	2015	10.1626/pps .18.302
Sequential cropping (1)	Effect of Seeding Depth and Soil Mulching on Growth and Yield of Peanut Grown after Rice in the Post-Monsoon Season of Northeastern Thailand	Polthanee A.	2001	10.1626/pps .4.235	
Successive cropping (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	
Cultivation (11)	Cultivation (1)	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
	Cultivation practice (2)	Analysis of the Number of Spikelets per Panicle on the Main Stems, Primary and Secondary Tillers of Different Rice Genotypes Grown under the Conventional and Nitrogen-Free Basal Dressing Accompanied with Sparse Planting Density Practices	Pham QD, et al.	2004	10.1626/pps .7.456
		Responses of Yielding Ability, Sink Size and Percentage of Filled Grains to the Cultivation Practices in a Chinese Large-Panicle-Type Rice Cultivar, Yangdao 4	Gendua PA, et al.	2009	10.1626/pps .12.243

Cultivation (continued)	Direct seeding cultivation (1)	α -Amylase Activity and Soluble Sugar Supply from Endosperm in Relation to Varietal Differences in Seedling Establishment under Low-Temperature Conditions in Rice (<i>Oryza sativa</i> L.)	Ogiwara H, et al.	2010	10.1626/pps .13.321
	Early sowing cultivation (1)	Factors in the Reduction in Grain Number in Winter Wheat by Early-Sowing in Yamaguchi	Zhang L, et al.	2007	10.1626/pps .10.189
	Field cultivation (1)	Effects of Planting Date on the Growth and Yield of Two Potato Cultivars Grown from Microtubers and Conventional Seed Tubers	Kawakami J, et al.	2005	10.1626/pps .8.74
	High-yielding cultivation technique (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
	Multiple ratooning cultivation (1)	Effect of Stubble Shaving after High-Level Cutting on the Growth and Yield of Forage Sugarcane, KRf093-1, under Multiple Ratooning Cultivation	Sakaigaichi T, et al.	2013	10.1626/pps .16.183
	Summer cultivation (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
	Water-saving cultivation (1)	Growth and Yield of Six Rice Cultivars under Three Water-saving Cultivations	Matsuo N, et al.	2009	10.1626/pps .12.514
	Yearround cultivation (1)	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
Culture / Culturing (4)	Polythene bag culture (1)	Assessing Feasibility of Growing Sugarcane by a Polythene Bag Culture System for Rapid Multiplication of Seed Cane in Sub-Tropical Climatic Conditions of India	Singh SN, et al.	2011	10.1626/pps .14.229
	Rice-fish culture (1)	Increased Income from Seasonally Flooded Rice Fields through Community Based Fish Culture in Bangladesh and Vietnam	Dey MM, et al.	2005	10.1626/pps .8.349
	Solution culture (1)	High Risk of the Formation of Milky White Rice Kernels in Cultivars with Higher Potential Grain Growth Rate under Elevated Temperatures	Kobata T, et al.	2011	10.1626/pps .14.359
	Liquid culturing (1)	Liquid Culturing of Detached Panicles of Rice: Cooled Culture Solutions Extend the Period of Growth	Kobata T, et al.	2001	10.1626/pps .4.280
Cutting / Cut / Shaving (9)	Cutting frequency (1)	Dry Matter Productivity and Overwintering Ability of the Dwarf and Normal Napiergrasses as Affected by the Planting Density and Cutting Frequency	Mukhtar M, et al.	2003	10.1626/pps .6.65
	Cutting height (1)	Effects of Cutting Height and Trampling over Stubbles of the First Crop on Dry Matter Yield in Twice Harvesting of Forage Rice	Nakano H, et al.	2009	10.1626/pps .12.124
	Cutting interval and height (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
	High-level cutting (2)	Effect of Stubble Shaving after High-Level Cutting on the Growth and Yield of Forage Sugarcane, KRf093-1, under Multiple Ratooning Cultivation	Sakaigaichi T, et al.	2013	10.1626/pps .16.183
		Comparison of ratoon yield under high-level cutting in two varieties of forage sugarcane, KRf093-1, and Shimanoushie	Sakaigaichi T, et al.	2017	10.1080/13 43943X.20 17.1283239
	Cut pieces from storage roots (1)	Nurturing of Plantlets Using Cut Pieces from the Storage Roots of Sweet Potatoes (<i>Ipomoea batatas</i> (L.) Lam.) and their Productivity in the Field	Yamashita M.	2000	10.1626/pps .3.259
	Half-cut tuber seedling (1)	Transplantation of Half-Cut Tuber Seedlings Provides Enhanced Yields Over Conventional Sprouted-Vine Planting in Sweet Potato Cultivar "Murasakimasari"	Adachi K, et al.	2011	10.1626/pps .14.291
Stubble shaving (2)	Effect of Stubble Shaving after High-Level Cutting on the Growth and Yield of Forage Sugarcane, KRf093-1, under Multiple Ratooning Cultivation	Sakaigaichi T, et al.	2013	10.1626/pps .16.183	
	Comparison of ratoon yield under high-level cutting in two varieties of forage sugarcane, KRf093-1, and Shimanoushie	Sakaigaichi T, et al.	2017	10.1080/13 43943X.20 17.1283239	
Emasculatation (1)	Hot water emasculatation (1)	Can Hot-Water Emasculatation Be Applied to Artificial Hybridization of Indica-Type Cambodian Rice?	Ly T, et al.	2008	10.1626/pps .11.132
Farming / Agriculture (19)	Farming system (1)	Effects of trees planted on levees on rice yields in rain-fed paddy fields of northeast Thailand	Miyagawa S, et al.	2017	10.1080/13 43943X.20 16.1260483
	Farm-Oriented Enhancing Aquatic System (2)	Growth and Yield Responses of Two Soybean Cultivars Grown under Controlled Groundwater Level in Southwestern Japan	Matsuo N, et al.	2013	10.1626/pps .16.84
		Root Growth of Two Soybean [<i>Glycine max</i> (L.) Merr.] Cultivars Grown under Different Groundwater Level Conditions	Matsuo N, et al.	2013	10.1626/pps .16.374
Aigamo duck farming system (1)	Characteristics as Fertilizer of Feces of Aigamo Ducks for Rice Plant (<i>Oryza sativa</i> L.)	Isobe K, et al.	2005	10.1626/pps .8.203	

Farming/Agriculture (continued)	Natural farming (1)	Comparison of Rice Yield after Various Years of Cultivation by Natural Farming	Neera P, et al.	1999	10.1626/pps .2.58
	Organic farming (5)	Stable Characteristics of Cover Crops for Weed Suppression in Organic Farming Systems	Uchino H, et al.	2011	10.1626/pps .14.75
		Characteristics of the Relationship between Natural ¹⁵ N Abundances in Organic Rice and Soil	Nishida M, et al.	2015	10.1626/pps .18.180
		The suitability of non-legume cover crops for inorganic soil nitrogen immobilisation in the transition period to an organic no-till system	Rühlemann L, et al.	2016	10.1080/13 43943X.20 15.1128098
		Relationship between physical property of soil and growth of <i>Monochoria vaginalis</i> under paddy condition of organic farming: analysis using settled soil volume in water of superficial layer.	Nozoe T, et al.	2016	10.1080/13 43943X.20 15.1128105
		Effects of poultry manure on soil solution electrical conductivity and early growth of <i>Monochoria vaginalis</i>	Watanabe H, et al.	2017	10.1080/13 43943X.20 16.1246064
	Precision agriculture (6)	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
		Extent and Implications of Weed Spatial Variability in Arable Crop Fields	Garibay SV, et al.	2001	10.1626/pps .4.259
		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
		Synergy of Remote Sensing and Modeling for Estimating Ecophysiological Processes in Plant Production	Inoue Y.	2003	10.1626/pps .6.3
		Correlation of the Amount of Nitrogen Accumulated in the Aboveground Biomass at Panicle Initiation and Nitrogen Content of Soil with the Nitrogen Uptake by Lowland Rice during the Period from Panicle Initiation to Heading	Inamura T, et al.	2003	10.1626/pps .6.302
		Geostatistical Analysis of Yield, Soil Properties and Crop Management Practices in Paddy Rice Fields	Inamura T, et al.	2004	10.1626/pps .7.230
Precision farming (1)	Effects of Tillage on Along-Row Variability of Wheat and Maize Biomass	Nakamoto T, et al.	2003	10.1626/pps .6.295	
Rainfed farming (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	
Small scale farm (1)	Performance of double cropping and relay intercropping for black soybean production in small-scale farms	Yamane K, et al.	2016	10.1080/13 43943X.20 16.1164574	
Flushing (1)	Cooperative effects of sand application and flushing during the sensitive stages of rice on its yield in a hard saline-sodic soil	Wang MM, et al.	2016	10.1080/13 43943X.20 16.1195695	
Graft / Scion / Stock (6)	Graft (3)	Differences in Leaf Senescence among Reciprocally Grafted Plants of Two Soybean Cultivars, Enrei and Tachinagaha	Ookawa T, et al.	1999	10.1626/pps .2.51
		Analysis of the Factors Causing Differences in the Leaf-Senescence Pattern between Two Soybean Cultivars, Enrei and Tachinagaha: Comparison of root length and exudation rate among grafted plants	Ookawa T, et al.	2001	10.1626/pps .4.3
		Interaction of Scion and Stock on Leaf Senescence of Soybean Plants Grafted at Mid-Stem during Ripening	Ookawa T, et al.	2005	10.1626/pps .8.32
	Grafting (1)	The Role of Active and Passive Water Uptake in Maintaining Leaf Water Status and Photosynthesis in Tomato under Water Deficit	Weng JH.	2000	10.1626/pps .3.296
	Scion (1)	Interaction of Scion and Stock on Leaf Senescence of Soybean Plants Grafted at Mid-Stem during Ripening	Ookawa T, et al.	2005	10.1626/pps .8.32
	Stock (1)	Interaction of Scion and Stock on Leaf Senescence of Soybean Plants Grafted at Mid-Stem during Ripening	Ookawa T, et al.	2005	10.1626/pps .8.32
Gravitational method (1)	Convenient Estimation of Unfertilized Grains in Rice	Kobata T, et al.	2010	10.1626/pps .13.289	
Hardening (6)	Hardening (2)	Enhancing the Performance of Direct Seeded Fine Rice by Seed Priming	Farooq M, et al.	2006	10.1626/pps .9.446
		Development of Rice "Seed-Mats" Consisting of Hardened Seeds with a Cover of Soil for the Rice Transplanter	Shiratsuchi H, et al.	2008	10.1626/pps .11.108
	Hardening speed (1)	Physicochemical and Machi-making Properties of the Native Red and Black-Kernelled Glutinous Rice Cultivars	Matsue Y, et al.	1998	10.1626/pps .1.126
	Osmohardening (1)	Enhancing the Performance of Direct Seeded Fine Rice by Seed Priming	Farooq M, et al.	2006	10.1626/pps .9.446

Hardening (continued)	Seed hardening (2)	Does Wetting and Redrying the Seed before Sowing Improve Rice Germination and Emergence under Low Soil Moisture Conditions?	Andoh H, et al.	2000	10.1626/pps .3.161
		Effect of Seed Hardening, Wetting and Redrying before Sowing, on Germination and Seedling Emergence of a Japanese Wheat Variety N orin 61 in Desiccated Soil	Andoh H, et al.	2001	10.1626/pps .4.50
Harvest (7)	Harvest (1)	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
	Harvest time (4)	Variation of 2-Acetyl-1-Pyrroline Concentration in Aromatic Rice Grains Collected in the Same Region in Japan and Factors Affecting Its Concentration	Itani T, et al.	2004	10.1626/pps .7.178
		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
		Effects of Harvest Time on Shoot Biomass and Yield of Turmeric (<i>Curcuma longa</i> L.) in Okinawa, Japan	Hossain MA.	2010	10.1626/pps .13.97
		Xanthophyll levels in foxtail millet grains according to variety and harvesting time	Yano A, et al.	2017	10.1080/13 43943X.20 16.1246347
	Harvest year (1)	Variations in the Seed Coat Colour of Adzuki Beans in the Aspects of Varieties, Harvest Years and Growing Locations, using Two- Dimensional Colour Mapping	Kato J, et al.	2000	10.1626/pps .3.61
	Twice harvesting (1)	Effects of Cutting Height and Trampling over Stubbles of the First Crop on Dry Matter Yield in Twice Harvesting of Forage Rice	Nakano H, et al.	2009	10.1626/pps .12.124
Heading date (2)		Somaclonal Variation in Regenerants Derived from Anther Culture of Rice (<i>Oryza sativa</i> L.)	Sugimoto K, et al.	1999	10.1626/pps .2.71
		Molecular Dissection of the Relationships among Tiller Number, Plant Height and Heading Date in Rice	Cui K, et al.	2004	10.1626/pps .7.309
Herbicides (5)	Herbicides (1)	Weed Management in Dry-Seeded Fine Rice under Varying Row Spacing in the Rice-Wheat System of Punjab, Pakistan	Khaliq A, et al.	2014	10.1626/pps .17.321
	Amiprofos methyl (APM) (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	10.1626/pps .6.134
	Methyl viologen (1)	Pretreatment with a Low Concentration of Methyl Viologen Decreases the Effects of Salt Stress on Chloroplast Ultrastructure in Rice Leaves (<i>Oryza sativa</i> L.)	Yamane K, et al.	2004	10.1626/pps .7.435
	Pretilachlor (1)	Effect of Pretilachlor on Weedy Rice and Other Weeds in Wet-Seeded Rice Cultivation in South Vietnam	Chauhan BS, et al.	2014	10.1626/pps .17.315
	Pyrazole herbicide (1)	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
Hybridization (2)	Interspecific hybridization (1)	Grain Protein Content of Interspecific Progenies Derived from the Cross of African Rice (<i>Oryza glaberrima</i> Steud.) and Asian Rice (<i>Oryza sativa</i> L.)	Watanabe H, et al.	2006	10.1626/pps .9.287
	Diallel mating system (1)	Combining Ability of Callus Induction and Plant Regeneration in Sorghum Anther Culture	Can ND, et al.	1999	10.1626/pps .2.125
	Parent plants (1)	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
Hydroponics (3)		Growth and Physiological Characteristics of Rice Seedlings Raised with Long Mat by Hydroponics	Wang Y, et al.	1999	10.1626/pps .2.115
		Effects of Benzylaminopurine on Shoot and Root Development and Growth of Rice (cv. North Rose) Grown Hydroponically with Different Nitrogen Forms	Liu Z, et al.	2000	10.1626/pps .3.349
		Effects of Foliar and Root-Applied Benzylaminopurine on Tillering of Rice Plants Grown in Hydroponics	Liu Z, et al.	2001	10.1626/pps .4.220
Infusion (1)	Sugar solution infusion (1)	Effect of Sugar Solution Infused into Mungbean (<i>Vigna radiata</i> (L.) Wilczek) Plant on Seed Yield and Dry Matter Production	Khaliq QA, at al.	2002	10.1626/pps .5.31
Inoculation (3)		Application of Bradyrhizobium japonicum and Phosphorus Fertilization Improved Growth, Yield and Nodulation of Soybean in the Sub-humid Hilly Region of Azad Jammu and Kashmir, Pakistan	Abbasi MK, et al.	2008	10.1626/pps .11.368
		Continuous Application of Biochar Inoculated with Root Nodule Bacteria to Subsoil Enhances Yield of Soybean by the Nodulation Control using Crack Fertilization Technique	Iijima M, et al.	2015	10.1626/pps .18.197
		Nodulation control of crack fertilization technique reduced the growth inhibition of soybean caused by short-term waterlogging at early vegetative stage	Yamane K, et al.	2016	10.1080/13 43943X.20 16.1164573

Location / Land / Plot (9)	Locations (1)	Influence of the Site of Cultivation on Chétoui Olive (<i>Olea europaea</i> L.) Oil Quality	Ben Youssef N, et al.	2012	10.1626/pps .15.228
	Growing location (1)	Variations in the Seed Coat Colour of Adzuki Beans in the Aspects of Varieties, Harvest Years and Growing Locations, using Two-Dimensional Colour Mapping	Kato J, et al.	2000	10.1626/pps .3.61
	land area per plant (1)	Branch development responses to planting density and yield stability in soybean cultivars	Agudamu, et al.	2016	10.1080/13 43943X.20 16.1157443
	Land equivalent ratio (LER) (4)	Land Equivalent Ratio of Groundnut-Finger millet Intercrops as Affected by Plant Combination Ratio, and Nitrogen and Water Availability	Runkulatile H, et al.	1998	10.1626/pps .1.39
		Growth, Yield and Land Use Efficiency of Corn and Legumes Grown under Intercropping Systems	Polthanee A, et al.	2003	10.1626/pps .6.139
		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
		Performance of double cropping and relay intercropping for black soybean production in small-scale farms	Yamane K, et al.	2016	10.1080/13 43943X.20 16.1164574
Patches (1)	Extent and Implications of Weed Spatial Variability in Arable Crop Fields	Garibay SV, et al.	2001	10.1626/pps .4.259	
Plot size (1)	Effect of Plot Size on Accuracy of Yield Estimation of Rainfed Lowland Rice Genotypes with Different Plant Heights and Grown under Different Soil Fertility Conditions	Jearakongman S, et al.	2003	10.1626/pps .6.95	
Long-term experiment/effect (6)	Long-term experiment (5)	Response of Soybean Yield to Daytime Temperature Change during Seed Filling: A Long-Term Field Study in Northeast China	Zheng H, et al.	2009	10.1626/pps .12.526
		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 the Long-Term Application of Anaerobically-Digested Cattle Manure on Growth, Yield and Nitrogen Uptake of Paddy Rice (<i>Oryza sativa</i> L.), and Soil Fertility in Warmer Region of Japan	Nishikawa T, et al.	2012	10.1626/pps .15.284
		Nitrogen Uptake by the Rice Plant and Changes in the Soil Chemical Properties in the Paddy Rice Field during Yearly Application of Anaerobically-Digested Manure for Seven Years	Nishikawa T, et al.	2014	10.1626/pps .17.237
		Water Use and Growth of Maize under Water Stress on the Soil after Long-Term Applications of Chemical and/or Organic Fertilizers	Li KZ, et al.	2002	10.1626/pps .5.58
	Long-term effect (1)	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
Management (3)	Fallow management (1)	The Effects of Cropping Systems and Fallow Managements on Microarthropod Populations	Miyazawa K, et al.	2002	10.1626/pps .5.257
	Site-specific management (2)	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
		Path Analysis of Tiller Density of Winter Wheat Demonstrates the Importance of Practices that Manipulate Clod Size Based on Soil Moisture at Seeding in the Rice–Wheat Cropping System	Inamura T, et al.	2010	10.1626/pps .13.85
Mulch (8)	Mulch (2)	Mulching-Induced Alteration of Microclimatic Parameters on the Morpho-Physiological Attributes in Onion (<i>Allium cepa</i> L.)	Rahman S, et al.	2001	10.1626/pps .4.241
		Soybean Cultivation on Desert Sand Using Drip Irrigation with Mulch	Miyauchi Y, et al.	2012	10.1626/pps .15.310
	Mulching (3)	Effect of Seeding Depth and Soil Mulching on Growth and Yield of Peanut Grown after Rice in the Post-Monsoon Season of Northeastern Thailand	Polthanee A.	2001	10.1626/pps .4.235
		Cassava-Based Intercropping Systems on Sumatra Island in Indonesia: Productivity, Soil Erosion, and Rooting Zone	Iijima M, et al.	2004	10.1626/pps .7.347
		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
	Living mulch (1)	Establishment of Rice Seedlings by Direct Sowing of Multiple Seed Pellets on Paddy Soil Covered with Legume Living Mulch	Asagi N, et al.	2008	10.1626/pps .11.361
	Paper-mulch (1)	Rice Direct Seeding Method with Recycled-paper Mulching	Ueno H, et al.	1999	10.1626/pps .2.53
	Straw mulching (1)	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

Paddy (12)	Paddy (3)	Soil Management Systems Improve Water Use Efficiency of Rainfed Rice in the Semi-Arid Tropics of Southern Lombok, Eastern Indonesia	Mahrup M, et al.	2005	10.1626/pps .8.342
		Effects of Soil Clay Content on Water Balance and Productivity in Rainfed Lowland Rice Ecosystem in Northeast Thailand	Tsubo M, et al.	2007	10.1626/pps .10.232
		Historical Changes in Urban Rice Production Systems in Tokyo, Japan	Kamoshita A.	2007	10.1626/pps .10.245
	Paddy field (3)	Analysis of Spectral Measurements in Paddy Field for Predicting Rice Growth and Yield Based on a Simple Crop Simulation Model	Inoue Y, et al.	1998	10.1626/pps .1.269
		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
		Improvement of High-Temperature Treatment Method using Solar Radiation under Unstable Wind Conditions	Chiba M, et al.	2015	10.1626/pps .18.414
	Paddy field cropping (2)	Comparison of Growth and Yield Performance of Several Water Chestnut Species Collected from Southwestern Japan and Middle China	Arima S, et al.	1999	10.1626/pps .2.273
		Variation in Growth and Yield Performance of Seventeen Water Chestnut Accessions (<i>Trapa</i> spp.) Collected from Asia and Europe	Suriyagoda L, et al.	2007	10.1626/pps .10.372
	Non-flooded paddy field (1)	Effect of Planting Density on Grain Yield and Water Productivity of Rice (<i>Oryza sativa</i> L.) Grown in Flooded and Non-flooded Fields in Japan	Hayashi S, et al.	2006	10.1626/pps .9.298
	Rotational paddy field (2)	Effects of High Water Table and Short-Term Flooding on Growth, Yield, and Seed Quality of Sunflower	Yasumoto S, et al.	2011	10.1626/pps .14.233
Changes in Seed Quality during Maturation of Sunflower under High or Changeable Water Table Conditions		Yasumoto S, et al.	2013	10.1626/pps .16.226	
Unfertilized paddy field (1)	Rice Production in Unfertilized Paddy Field: Mechanism of grain production as estimated from nitrogen economy	Okumura T.	2002	10.1626/pps .5.83	
Percolation (3)		Water Saving in Rice-Wheat Systems	Humphreys E, et al.	2005	10.1626/pps .8.242
		Estimating Percolation and Lateral Water Flow on Sloping Land in Rainfed Lowland Rice Ecosystem	Tsubo M, et al.	2005	10.1626/pps .8.354
		Effects of Soil Clay Content on Water Balance and Productivity in Rainfed Lowland Rice Ecosystem in Northeast Thailand	Tsubo M, et al.	2007	10.1626/pps .10.232
Pest (2)	Pest control (1)	Assessment of Damage Caused by Two-Striped Leaf Beetle (<i>Medythia nigrobilineata</i> Motschulsky) Larval Feeding of Root Nodules in Soybean and Its Control during Furrow Cultivation	Takei M, et al.	2014	10.1626/pps .17.276
	Biocide application (1)	The Effects of Cropping Systems and Fallow Managements on Microarthropod Populations	Miyazawa K, et al.	2002	10.1626/pps .5.257
Phytoremediation (2)		Effect of Rhizodegradation in Diesel-contaminated Soil under Different Soil Conditions	Kaimi E, et al.	2007	10.1626/pps .10.105
		Screening of Twelve Plant Species for Phytoremediation of Petroleum Hydrocarbon-Contaminated Soil	Kaimi E, et al.	2007	10.1626/pps .10.211
Plant growth (2)	Plant growth improvement (1)	Synergic Effect of Flooding and Nitrogen Application on Alleviation of Soil Sickness Caused by Aerobic Rice Monocropping	Nie L, et al.	2012	10.1626/pps .15.246
	Plant growth promotion (1)	Yield of sugarcane varieties and their sugar quality grown in different soil types and inoculated with a diazotrophic bacteria consortium	Schultz N, et al.	2017	10.1080/13 43943X.20 17.1374869
Planting (28)	Planting density (9)	Dry Matter Productivity and Overwintering Ability of the Dwarf and Normal Napiergrasses as Affected by the Planting Density and Cutting Frequency	Mukhtar M, et al.	2003	10.1626/pps .6.65
		Effects of Planting Pattern and Planting Distance on Growth and Yield of Turmeric (<i>Curcuma longa</i> L.)	Hossain A, et al.	2005	10.1626/pps .8.95
		Effect of Planting Density on Grain Yield and Water Productivity of Rice (<i>Oryza sativa</i> L.) Grown in Flooded and Non-flooded Fields in Japan	Hayashi S, et al.	2006	10.1626/pps .9.298
		Response of Spikelet Number per Panicle in Rice Cultivars to Three Transplanting Densities	Zhang B, et al.	2010	10.1626/pps .13.279
		Effects of Nitrogen Application and Planting Density on Morphological Traits, Dry Matter Production and Yield of Large Grain Type Rice Variety Bekoaoba and Strategies for Super High-Yielding Rice in the Tohoku Region of Japan	Fukushima A, et al.	2011	10.1626/pps .14.56
		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

Planting (continued)	Planting density (continued)	Branch development responses to planting density and yield stability in soybean cultivars	Agudamu, et al.	2016	10.1080/1343943X.2016.1157443
		Effect of planting density on lodging-related morphology, lodging rate, and yield of tartary buckwheat (<i>Fagopyrum tataricum</i>)	Xiang DB, et al.	2016	10.1080/1343943X.2016.1188320
		A high seed yield and associated attributes of dry matter production achieved by recent Japanese soybean cultivars	Maitree L, et al.	2017	10.1080/1343943X.2017.1294463
	Plant density (2)	Can Yields of Lowland Rice Resume the Increases that They Showed in the 1980s?	Horie T, et al.	2005	10.1626/pps.8.259
		Nitrogen Content of Leaves Affects the Nodal Position of the Last Visible Primary Tiller on Main Stems of Rice Plants Grown at Various Plant Densities	Sasaki R, et al.	2006	10.1626/pps.9.242
	Planting depth (1)	Optimal Planting Depth for Turmeric (<i>Curcuma longa</i> L.) Cultivation in Dark Red Soil in Okinawa Island, Southern Japan	Ishimine Y, et al.	2003	10.1626/pps.6.83
	Planting pattern (2)	Effects of Planting Pattern on the Interception of Solar Radiation by the Canopy and the Light Extinction Coefficient of the Canopy in Rice Plants Direct-sown in a Submerged Paddy Field	San-oh Y, et al.	2006	10.1626/pps.9.334
		Effects of Deep-Flooding Irrigation on Growth, Canopy Structure and Panicle Weight Yield Under Different Planting Patterns in Rice	Ohe M, et al.	2010	10.1626/pps.13.193
	Planting system/method (1)	Assessing Feasibility of Growing Sugarcane by a Polythene Bag Culture System for Rapid Multiplication of Seed Cane in Sub-Tropical Climatic Conditions of India	Singh SN, et al.	2011	10.1626/pps.14.229
	Planting time (2)	Effects of Planting Time and Nitrogen Application on Dry Matter Yield of the Forage Rice Cultivar Tachiaoba in Southwestern Japan	Nakano H, et al.	2009	10.1626/pps.12.351
		Early Planting and Early Nitrogen Application Increase Stem Total Digestible Nutrient Concentration and Yield of Forage Rice in Southwestern Japan	Nakano H, et al.	2011	10.1626/pps.14.169
	Close mixed planting (1)	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	10.1080/1343943X.2017.1379882
	Cluster planting (1)	Physiological characteristics of high yield under cluster planting: photosynthesis and canopy microclimate of cotton	Xie T-T, et al.	2016	10.1080/1343943X.2015.1128088
	Direct planting of seed tuber (1)	Transplantation of Half-Cut Tuber Seedlings Provides Enhanced Yields Over Conventional Sprouted-Vine Planting in Sweet Potato Cultivar "Murasakimasari"	Adachi K, et al.	2011	10.1626/pps.14.291
	Early planting (1)	Effects of early planting and cultivars on the yield and agronomic traits of soybeans grown in southwestern Japan	Matsuo N, et al.	2016	10.1080/1343943X.2016.1155417
	Narrow-row planting (1)	A high seed yield and associated attributes of dry matter production achieved by recent Japanese soybean cultivars	Maitree L, et al.	2017	10.1080/1343943X.2017.1294463
	Sparse planting density (5)	Effect of Top-dressing and Planting Density on the Number of Spikelets and Yield of Rice Cultivated with Nitrogen-free Basal Dressing	Truong TH, et al.	1998	10.1626/pps.1.191
		Varietal Differences in Tillering and Yield Responses of Rice Plants to Nitrogen-Free Basal Dressing Accompanied with Sparse Planting Density in the Tohoku Region of Japan	Pham QD, et al.	2004	10.1626/pps.7.3
		Varietal Differences in the Responses of Yield Components of Rice Plants to Nitrogen-Free Basal Dressing Accompanied with Sparse Planting Density in the Tohoku Region of Japan	Pham QD, et al.	2004	10.1626/pps.7.109
		Analysis of the Dry Matter Production Process Related to Yield and Yield Components of Rice Plants Grown under the Practice of Nitrogen-Free Basal Dressing Accompanied with Sparse Planting Density	Pham QD, et al.	2004	10.1626/pps.7.155
Analysis of Lodging-Resistant Characteristics of Different Rice Genotypes Grown under the Standard and Nitrogen-Free Basal Dressing Accompanied with Sparse Planting Density Practices		Pham QD, et al.	2004	10.1626/pps.7.243	
Triangular planting (1)	Effects of Planting Pattern and Planting Distance on Growth and Yield of Turmeric (<i>Curcuma longa</i> L.)	Hossain A, et al.	2005	10.1626/pps.8.95	
Priming (3)	Priming (1)	Accumulation of Soluble Sugar in True Seeds by Priming of Sugar Beet Seeds and the Effects of Priming on Growth and Yield of Drilled Plants	Mukasa Y, et al.	2003	10.1626/pps.6.74

Priming (continued)	Seed priming (2)	Effects of Seed P-enrichment and Localized P-fertilizer Application on Soil-grown Wheat	Sekiya N, et al.	2013	10.1626/pps .16.199
		Promotive Effect of Priming with 5-Aminolevulinic Acid on Seed Germination Capacity, Seedling Growth and Antioxidant Enzyme Activity in Rice Subjected to Accelerated Ageing Treatment	Kanto U, et al.	2015	10.1626/pps .18.443
Rain shelter (1)		Drought Tolerance Characteristics of Brazilian Soybean Cultivars: Evaluation and characterization of drought tolerance of various Brazilian soybean cultivars in the field	Oya T, et al.	2004	10.1626/pps .7.129
Rainfed (5)	Rainfed (3)	Increasing Production of Rainfed Lowland Rice in Drought Prone Environments: A Case Study in Thailand and Lao	Fukai S, et al.	1998	10.1626/pps .1.75
		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
		The Long-Term Changes in Midday Photoinhibition in Rice (<i>Oryza sativa</i> L.) Growing under Fluctuating Soil Water Conditions	Iseki K, et al.	2013	10.1626/pps .16.287
	Rainfed farming (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
	Rainfed paddy (1)	Present Soil Chemical Status and Constraints for Rice-Based Cropping Systems in Vientiane Plain and Neighboring Areas, Lao PDR	Matsuo K, et al.	2015	10.1626/pps .18.314
Ratooning (2)	Multiple ratooning (1)	Comparison of ratoon yield under high-level cutting in two varieties of forage sugarcane, KRFo93-1, and Shimanoushie	Sakaigaichi T, et al.	2017	10.1080/13 43943X.20 17.1283239
	Multiple ratooning cultivation (1)	Effect of Stubble Shaving after High-Level Cutting on the Growth and Yield of Forage Sugarcane, KRFo93-1, under Multiple Ratooning Cultivation	Sakaigaichi T, et al.	2013	10.1626/pps .16.183
Removal (4)	Ear removal (1)	Effects of Excessive Ear Removal on Senescence Order of Wheat Functional Leaves	Miao F, et al.	2009	10.1626/pps .12.428
	Pod removal (1)	Effect of Sink-Limitation on Leaf Photosynthetic Rate and Related Characteristics in Soybean Plants	Kasai M, et al.	2008	10.1626/pps .11.223
	Depodding (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 MP SH, et al.	2011	10.1626/pps .14.141
	Tiller removal (1)	Effects of the Tillering Nodes on the Main Stem of a Chinese Large-Panicle-Type Rice Cultivar, Yangdao 4, on the Growth and Yield-Related Characteristics in Relation to Cropping Season	Gendua PA, et al.	2009	10.1626/pps .12.257
Ridge / Row (4)	Ridge width (1)	Effects of Planting Pattern and Planting Distance on Growth and Yield of Turmeric (<i>Curcuma longa</i> L.)	Hossain A, et al.	2005	10.1626/pps .8.95
	Double ridge (1)	Analysis of Spike Development of Three Spring Wheat Genotypes under Various Cultural Conditions	Itoh H, et al.	1998	10.1626/pps .1.258
	Row spacing (2)	Smooth bromegrass seed yield and yield component responses to seeding rates and row spacings in two climates	Han Y, et al.	2016	10.1080/13 43943X.20 16.1169152
		Effect of narrow-row planting patterns on crop competitive and economic advantage in maize-soybean relay strip intercropping system	Yang F, et al.	2017	10.1080/13 43943X.20 16.1224553
Root box/filter (4)	Root box (2)	Root System Development Including IRoot Branching in Cuttings of Cassava with Reference to Shoot Growth and Tuber Bulking	Izumi Y, et al.	1999	10.1626/pps .2.267
		Fractal and Multifractal Analysis of Cassava Root System Grown by the Root- Box Method	Izumi Y, et al.	2002	10.1626/pps .5.146
	Root basket method (1)	Association between root growth angle and root length density of a nearisogenic line of IR64 rice with <i>DEEPER ROOTING 1</i> under different levels of soil compaction	Ramalingam P, et al.	2017	10.1080/13 43943X.20 17.1288550
	Ensemble Square Root Filter (1)	Assimilating Remotely Sensed Information with the WheatGrow Model Based on the Ensemble Square Root Filter for Improving Regional Wheat Yield Forecasts	Huang Y, et al.	2013	10.1626/pps .16.352
Season (7)	Growing season (1)	Vulnerability to Hydraulic Dysfunction as Affected by Sowing Date in Rice Leaves	Tsuda M, et al.	2002	10.1626/pps .5.22
	Overwintering (3)	Dry Matter Productivity and Overwintering Ability of the Dwarf and Normal Napiergrasses as Affected by the Planting Density and Cutting Frequency	Mukhtar M, et al.	2003	10.1626/pps .6.65
		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
		Changes in Freezing Tolerance and its Relationship with the Contents of Carbohydrates and Proline in Overwintering Centipedegrass (<i>Eremochloa ophiuroides</i> (Munro) Hack.)	Cai Q, et al.	2004	10.1626/pps .7.421

Season (continued)	Spring sowing (1)	Grain Yield of Sorghum Cultivars in a Double Cropping System	Can ND, et al.	1999	10.1626/pps .2.121
	Summer cultivation (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
	Summer sowing (1)	Grain Yield of Sorghum Cultivars in a Double Cropping System	Can ND, et al.	1999	10.1626/pps .2.121
Seed (26)	Seed coating (3)	Improvement of Rice Seedling Establishment on Sulfate-Applied Submerged Soil by Seed Coating with Poorly Soluble Molybdenum Compounds	Hara Y.	2013	10.1626/pps .16.271
		Improvement of Soybean Seedling Establishment under a Flooded Condition by Seed Coating with Molybdenum Compounds	Hara Y.	2015	10.1626/pps .18.161
		Improvement of seedling establishment under flood condition by seed coating with molybdenum compounds for wheat and barley	Hara Y.	2016	10.1080/13 43943X.20 15.1128110
	Seed grouping (1)	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
	Seed hardening (2)	Does Wetting and Redrying the Seed before Sowing Improve Rice Germination and Emergence under Low Soil Moisture Conditions?	Andoh H, et al.	2000	10.1626/pps .3.161
		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
	Seed pack growth pouch (1)	Selection of Rice Lines Using SPGP Seedling Method for Direct Seeding	Won JG, et al.	1998	10.1626/pps .1.280
	Seed P-enrichment (1)	Effects of Seed P-enrichment and Localized P-fertilizer Application on Soil-grown Wheat	Sekiya N, et al.	2013	10.1626/pps .16.199
	Seed priming (2)	Effects of Seed P-enrichment and Localized P-fertilizer Application on Soil-grown Wheat	Sekiya N, et al.	2013	10.1626/pps .16.199
		Promotive Effect of Priming with 5-Aminolevulinic Acid on Seed Germination Capacity, Seedling Growth and Antioxidant Enzyme Activity in Rice Subjected to Accelerated Ageing Treatment	Kanto U, et al.	2015	10.1626/pps .18.443
	Seed reserve (1)	Relative Contribution of Hetero- and Auto-trophic Growth to Genotypic Variation of Seedling Vigor in Rice (<i>Oryza sativa</i> L.)	Shiraiwa T, et al.	2006	10.1626/pps .9.133
	Seed test (1)	Calculation of Population Parameters using Richards Function and Application of Indices of Growth and Seed Vigor to Rice Plants	Hara Y.	1999	10.1626/pps .2.129
	Seed treatment with uniconazole powder (1)	Seed Treatment with Uniconazole Powder Improves Soybean Seedling Growth under Shading by Corn in Relay Strip Intercropping System	Yan Y, et al.	2010	10.1626/pps .13.367
	Seed-mat (1)	Development of Rice "Seed-Mats" Consisting of Hardened Seeds with a Cover of Soil for the Rice Transplanter	Shiratsuchi H, et al.	2008	10.1626/pps .11.108
	Seed-soaking (1)	Suppressive Effects of Low Seed-Soaking Temperatures on Germination of Long-Term-Stored Rice Seeds	Itayagoshi S, et al.	2015	10.1626/pps .18.455
	Single seed (2)	Nondestructive Near-Infrared Reflectance Spectroscopy of Sesame (<i>Sesamum indicum</i> L.) Components by Single Seed Analysis	Sato T, et al.	2006	10.1626/pps .9.161
		Nondestructive Measurements of Lipid Content and Fatty Acid Composition in Rapeseeds (<i>Brassica napus</i> L.) by Near Infrared Spectroscopy	Sato T.	2008	10.1626/pps .11.146
	Single seed descent (SSD) (1)	Revisiting rice breeding methods – evaluating the use of rapid generation advance (RGA) for routine rice breeding	Collard BCY, et al.	2017	10.1080/13 43943X.20 17.1391705
	Direct planting of seed tuber (1)	Transplantation of Half-Cut Tuber Seedlings Provides Enhanced Yields Over Conventional Sprouted-Vine Planting in Sweet Potato Cultivar "Murasakimasari"	Adachi K, et al.	2011	10.1626/pps .14.291
	Hybrid seed production (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
	Long-term-stored seeds (1)	Suppressive Effects of Low Seed-Soaking Temperatures on Germination of Long-Term-Stored Rice Seeds	Itayagoshi S, et al.	2015	10.1626/pps .18.455
	Multiple seed pellets (1)	Establishment of Rice Seedlings by Direct Sowing of Multiple Seed Pellets on Paddy Soil Covered with Legume Living Mulch	Asagi N, et al.	2008	10.1626/pps .11.361
	Stored seed (2)	Confirmation of the Productivity of the Stored Seeds of Wheat and Two-Rowed Barley	Matsue Y, et al.	2002	10.1626/pps .5.187
Productivity of the Soybean Seeds Stored for Various Periods		Matsue Y, et al.	2005	10.1626/pps .8.393	

Seed (continued)	True seed (2)	A Simple Method for Selection of Potato Lines with a Higher Root/Total Ratio at an Early Stage in the Seedling Generation	Iwama K, et al.	1998	10.1626/pps .1.286		
		Accumulation of Soluble Sugar in True Seeds by Priming of Sugar Beet Seeds and the Effects of Priming on Growth and Yield of Drilled Plants	Mukasa Y, et al.	2003	10.1626/pps .6.74		
Seeding (28)	Seeding density (1)	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		
	Seeding depth (1)	Effect of Seeding Depth and Soil Mulching on Growth and Yield of Peanut Grown after Rice in the Post-Monsoon Season of Northeastern Thailand	Polthanee A.	2001	10.1626/pps .4.235		
	Seeding rate (3)	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		
		Path Analysis of Tiller Density of Winter Wheat Demonstrates the Importance of Practices that Manipulate Clod Size Based on Soil Moisture at Seeding in the Rice-Wheat Cropping System	Inamura T, et al.	2010	10.1626/pps .13.85		
		Smooth bromegrass seed yield and yield component responses to seeding rates and row spacings in two climates	Han Y, et al.	2016	10.1080/13 43943X.20 16.1169152		
	Seeding time (1)	Relation between seeding times and stem yield of sorghum in cold region in Japan	Fujii A, et al.	2016	10.1080/13 43943X.20 15.1128102		
	Deep-seeding (1)	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		
	Direct seeding (15)	Increasing Production of Rainfed Lowland Rice in Drought Prone Environments: A Case Study in Thailand and Laos	Selection of Rice Lines Using SPGP Seedling Method for Direct Seeding	Won JG, et al.	1998	10.1626/pps .1.280	
			Rice Direct Seeding Method with Recycled-paper Mulching	Ueno H, et al.	1999	10.1626/pps .2.53	
			Genotype- Environment Interactions of Selected Rice Lines in Direct Water-Seeded Culture	Won JG, et al.	1999	10.1626/pps .2.252	
			Combining Ability in the Rice Lines Selected for Direct-Seeding in Flooded Paddy Field	Won JG, et al.	2000	10.1626/pps .3.366	
			A Varietal Difference in Coleoptile Growth is Correlated with Seedling Establishment of Direct Seeded Rice in Submerged Field under Low-Temperature Conditions	Ogiwara H, et al.	2001	10.1626/pps .4.166	
			Introduction of the Long-Coleoptile Trait to Improve the Establishment of Direct-Seeded Rice in Submerged Fields in Cool Climates	Miura K, et al.	2002	10.1626/pps .5.219	
			Increasing Water Productivity in Rice-Based Systems in Asia: Past Trends, Current Problems, and Future Prospects	Dawe D.	2005	10.1626/pps .8.221	
			Enhancing the Performance of Direct Seeded Fine Rice by Seed Priming	Farooq M, et al.	2006	10.1626/pps .9.446	
			Effects of the Combined Application of Ethephon and Gibberellin on Growth of Rice (<i>Oryza sativa</i> L.) Seedlings	Watanabe H, et al.	2007	10.1626/pps .10.468	
			Establishment of Rice Seedlings by Direct Sowing of Multiple Seed Pellets on Paddy Soil Covered with Legume Living Mulch	Asagi N, et al.	2008	10.1626/pps .11.361	
			Yield Component Differences between Direct-Seeded and Transplanted Super Hybrid Rice	Huang M, et al.	2011	10.1626/pps .14.331	
			Suppressive Effect of Sulfate on Establishment of Rice Seedlings in Submerged Soil May be Due to Sulfide Generation around the Seeds	Hara Y.	2013	10.1626/pps .16.50	
			Improvement of Rice Seedling Establishment in Sulfate-Applied Submerged Soil by Application of Molybdate	Hara Y.	2013	10.1626/pps .16.61	
			Improvement of Rice Seedling Establishment on Sulfate-Applied Submerged Soil by Seed Coating with Poorly Soluble Molybdenum Compounds	Hara Y.	2013	10.1626/pps .16.271	
			Direct seeding cultivation (1)	α -Amylase Activity and Soluble Sugar Supply from Endosperm in Relation to Varietal Differences in Seedling Establishment under Low-Temperature Conditions in Rice (<i>Oryza sativa</i> L.)	Ogiwara H, et al.	2010	10.1626/pps .13.321
			Dry seeding (2)	Constraints to High Yield of Dry-Seeded Rice in the Rainy Season of a Humid Tropic Environment	Tuong TP, et al.	2000	10.1626/pps .3.164
Weed Management in Dry-Seeded Fine Rice under Varying Row Spacing in the Rice-Wheat System of Punjab, Pakistan	Khaliq A, et al.	2014		10.1626/pps .17.321			
V-furrow direct seeding method (1)	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			

Seeding (continued)	Water-seeding (2)	Screening Cultivars at Low Dissolved Oxygen Level for Water-seeded Rice	Won JG, et al.	2000	10.1626/pps .3.112
		Varietal Differences in Seedling Traits under the Low Dissolved Oxygen Level in Water-Seeded Rice	Won JG, et al.	2000	10.1626/pps .3.375
Seedling (6)	Cell-raised seedling (1)	Transplantation of Half-Cut Tuber Seedlings Provides Enhanced Yields Over Conventional Sprouted-Vine Planting in Sweet Potato Cultivar "Murasakimasari"	Adachi K, et al.	2011	10.1626/pps .14.291
	Bottled tuber seedling (1)	Suppression of Mother Tuber Enlargement in the Sweet Potato Cultivar "Koganesengan" by Transplantation of Bottled Tuber Seedlings	Adachi K, et al.	2012	10.1626/pps .15.57
	Case-held tuber seedlings (1)	Yield-enhancing and tuber-downsizing effects of transplantation cultivation method of case-held tuber seedlings in the sweet potato cultivar Beniharuka	Adachi K, et al.	2016	10.1080/13 43943X.20 15.1128086
	Half-cut tuber seedling (1)	Transplantation of Half-Cut Tuber Seedlings Provides Enhanced Yields Over Conventional Sprouted-Vine Planting in Sweet Potato Cultivar "Murasakimasari"	Adachi K, et al.	2011	10.1626/pps .14.291
	Plug seedling (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
	Raising of seedlings (1)	Growth and Physiological Characteristics of Rice Seedlings Raised with Long Mat by Hydroponics: Comparison with young seedlings raised in soil	Wang Y, et al.	1999	10.1626/pps .2.115
Selection / Screening (10)	Selection (3)	Selection of Rice Lines Using SPGP Seedling Method for Direct Seeding	Won JG, et al.	1998	10.1626/pps .1.280
		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
		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
	Selection trial (1)	Effect of Plot Size on Accuracy of Yield Estimation of Rainfed Lowland Rice Genotypes with Different Plant Heights and Grown under Different Soil Fertility Conditions	Jearakongman S, et al.	2003	10.1626/pps .6.95
	Indirect selection (1)	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
	Marker-assisted selection (1)	Molecular Breeding for Rainfed Lowland Rice in the Mekong Region	Toojinda T, et al.	2005	10.1626/pps .8.330
	Recurrent selection (1)	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
	Screening (3)	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
		Differential Salinity Tolerance among <i>Oryza glaberrima</i> , <i>Oryza sativa</i> and Their Interspecies Including NERICA	Awala SK, et al.	2010	10.1626/pps .13.3
Genetic Improvement of Iron Toxicity Tolerance in Rice-Progress, Challenges and Prospects in West Africa		Sikirou M, et al.	2015	10.1626/pps .18.423	
Slash-and-burn (1)	Genotypic Variation in Ability to Recover from Weed Competition at Early Vegetative Stage in Upland Rice	Saito K, et al.	2010	10.1626/pps .13.116	
Sloping bed system (1)	Drought-induced root plasticity of two upland NERICA varieties under conditions with contrasting soil depth characteristics	Menge DM, et al.	2016	10.1080/13 43943X.20 16.1146908	
Sowing (19)	Sowing date (2)	Grain Yield of Sorghum Cultivars in a Double Cropping System	Can ND, et al.	1999	10.1626/pps .2.121
		New winter oilseed rape varieties – seed quality and morphological traits depending on sowing date and rate	Ratajczak K, et al.	2017	10.1080/13 43943X.20 17.1304809
	Sowing depth (2)	Seedling Emergence and Establishment under Drained Conditions in Rice Direct-Sown into Puddled and Leveled Soil: Effect of calcium peroxide seed coating and sowing depth	Sato T, et al.	2002	10.1626/pps .5.71
		Effects of Temperature, Sowing Depth and Soil Hardness on Seedling Establishment and Yield of Cambodian Rice Direct-seeded in Flood Paddy Fields	Ly T, et al.	2007	10.1626/pps .10.129
	Sowing method (1)	Factors Relating to Seedling Emergence in Spring Wheat	Ueno K, et al.	1999	10.1626/pps .2.235
	Deep sowing (1)	Morphological Characters Related to Varietal Differences in Tolerance to Deep Sowing in Wheat	Matsui T, et al.	2002	10.1626/pps .5.169

Sowing (continued)	Direct sowing (7)	Seedling Emergence and Establishment under Drained Conditions in Rice Direct-Sown into Puddled and Leveled Soil: Effect of calcium peroxide seed coating and sowing depth	Sato T, et al.	2002	10.1626/pps .5.71
		Growth Enhancement by Drainage during Seedling Establishment in Rice Direct-Sown into Puddled and Leveled Soil: Comparison with seed coating with calcium peroxide	Tsuchiya M, et al.	2004	10.1626/pps .7.324
		Seedling Growth and Dry-Matter Production under Drained Conditions in Rice Direct-Sown into Puddled and Leveled Soil	Sato T, et al.	2005	10.1626/pps .8.209
		Productivity and Water Source of Intercropped Wheat and Rice in a Direct-sown Sequential Cropping System: The Effects of No-tillage and Drought	Iijima M, et al.	2005	10.1626/pps .8.368
		Nitrogen Content of Leaves Affects the Nodal Position of the Last Visible Primary Tiller on Main Stems of Rice Plants Grown at Various Plant Densities	Sasaki R, et al.	2006	10.1626/pps .9.242
		Effects of Planting Pattern on the Interception of Solar Radiation by the Canopy and the Light Extinction Coefficient of the Canopy in Rice Plants Direct-sown in a Submerged Paddy Field	San-oh Y, et al.	2006	10.1626/pps .9.334
		Seed Germination and Coleoptile Growth of New Rice Lines Adapted to Hypoxic Conditions	Adachi Y, et al.	2015	10.1626/pps .18.471
	Early sowing (1)	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
	Early-sown (1)	Investigation of Yielding Ability of Wheat Cultivars for Early-Sowing Cultivation in Yamaguchi	Zhang L, et al.	2006	10.1626/pps .9.83
	Early sowing cultivation (1)	Factors in the Reduction in Grain Number in Winter Wheat by Early-Sowing in Yamaguchi	Zhang L, et al.	2007	10.1626/pps .10.189
Late sowing (1)	Genotypic Adaptation of Soybean to Late Sowing in Southwestern Japan	Fatichin, et al.	2013	10.1626/pps .16.123	
Spring sowing (1)	Grain Yield of Sorghum Cultivars in a Double Cropping System	Can ND, et al.	1999	10.1626/pps .2.121	
Summer sowing (1)	Grain Yield of Sorghum Cultivars in a Double Cropping System	Can ND, et al.	1999	10.1626/pps .2.121	
Spatial (7)	Spatial dependence (1)	Effects of Tillage on Along-Row Variability of Wheat and Maize Biomass	Nakamoto T, et al.	2003	10.1626/pps .6.295
	Spatial distribution (1)	Spatial Distribution of Leaf Area Index and Leaf N Content in Relation to Grain Yield and Nitrogen Uptake in Rice	Jing Q, et al.	2007	10.1626/pps .10.136
	Spatial variability (3)	Extent and Implications of Weed Spatial Variability in Arable Crop Fields	Garibay SV, et al.	2001	10.1626/pps .4.259
		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
		Geostatistical Analysis of Yield, Soil Properties and Crop Management Practices in Paddy Rice Fields	Inamura T, et al.	2004	10.1626/pps .7.230
	Spatial variability pattern (1)	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
	Spatial variation (1)	Temporal and Spatial Variations of Carbohydrate Content in Rice Leaf Sheath and Their Varietal Differences	He HY, et al.	2005	10.1626/pps .8.546
Spray (1)	Foliar spray (1)	Effect of foliar application of oligochitosan with different molecular weight on growth promotion and fruit yield enhancement of chili plant	Dzung PD, et al.	2017	10.1080/13 43943X.20 17.1399803
Sprinkler (2)	Sprinkler and intermittent irrigation (1)	Effects of Water-Saving Irrigation and Nitrogen Fertilization on Yield and Yield Components of Rice (<i>Oryza sativa</i> L.)	Pirmoradian N, et al.	2004	10.1626/pps .7.337
	Line-source sprinkler system (1)	Drought-induced root plasticity of two upland NERICA varieties under conditions with contrasting soil depth characteristics	Menge DM, et al.	2016	10.1080/13 43943X.20 16.1146908
SRI (the system of rice intensification) (2)		Can Yields of Lowland Rice Resume the Increases that They Showed in the 1980s?	Horie T, et al.	2005	10.1626/pps .8.259
		Influence of the Improved System of Rice Intensification (SRI) on Rice Yield, Yield Components and Tillering Characteristics under Different Rice Establishment Methods	Chen S, et al.	2013	10.1626/pps .16.191
Sucker control (1)		Growth behavior of suckers derived from transplanted sago palm (<i>Metroxylon sagu</i> Rottb.)	Nabeya K, et al.	2016	10.1080/13 43943X.20 16.1147928
Test (1)	Germination test (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

Thinning (1)		Effects of Non-Structural Carbohydrates on Spikelet Differentiation in Rice	Kobayasi K, et al.	2001	10.1626/pps .4.9
Tillage (17)	Midterm tillage (1)	Continuous Application of Biochar Inoculated with Root Nodule Bacteria to Subsoil Enhances Yield of Soybean by the Nodulation Control using Crack Fertilization Technique	Iijima M, et al.	2015	10.1626/pps .18.197
	Minimum tillage (5)	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
		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
		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
		Effects of Tillage on Along-Row Variability of Wheat and Maize Biomass	Nakamoto T, et al.	2003	10.1626/pps .6.295
		Effect of Chinese Milk Vetch (<i>Astragalus sinicus</i> L.) as a Cover Crop on Weed Control, Growth and Yield of Wheat under Different Tillage Systems	Samarajeewa KB, et al.	2005	10.1626/pps .8.79
		Erosion Control on a Steep Sloped Coffee Field in Indonesia with Alley Cropping, Intercropped Vegetables, and No-Tillage	Iijima M, et al.	2003	10.1626/pps .6.224
	No-tillage (7)	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
		Effect of Chinese Milk Vetch (<i>Astragalus sinicus</i> L.) as a Cover Crop on Weed Control, Growth and Yield of Wheat under Different Tillage Systems	Samarajeewa KB, et al.	2005	10.1626/pps .8.79
		Productivity and Water Source of Intercropped Wheat and Rice in a Direct-sown Sequential Cropping System: The Effects of No-tillage and Drought	Iijima M, et al.	2005	10.1626/pps .8.368
		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
		Short-Term Effects of Differentiated Tillage on Dry Matter Production and Grain Yield of Autumn and Spring Sown Grain Legumes Grown Monocropped and Intercropped with Cereal Grains in Organic Farming	Rühlemann L, et al.	2015	10.1626/pps .18.76
		Nitrogen Uptake and Utilization by No-Tillage Rice under Different Soil Moisture Conditions – A Model Study under Simulated Soil Conditions	Yang C, et al.	2015	10.1626/pps .18.118
		Short-Term Effects of Differentiated Tillage on Dry Matter Production and Grain Yield of Autumn and Spring Sown Grain Legumes Grown Monocropped and Intercropped with Cereal Grains in Organic Farming	Rühlemann L, et al.	2015	10.1626/pps .18.76
	Plough tillage (1)	The Effects of Cropping Systems and Fallow Managements on Microarthropod Populations	Miyazawa K, et al.	2002	10.1626/pps .5.257
		Response of Soybean, Sugar Beet and Spring Wheat to the Combination of Reduced Tillage and Fertilization Practices	Miyazawa K, et al.	2004	10.1626/pps .7.77
		Short-Term Effects of Differentiated Tillage on Dry Matter Production and Grain Yield of Autumn and Spring Sown Grain Legumes Grown Monocropped and Intercropped with Cereal Grains in Organic Farming	Rühlemann L, et al.	2015	10.1626/pps .18.76
Reduced tillage (3)	Effects of Cutting Height and Trampling over Stubbles of the First Crop on Dry Matter Yield in Twice Harvesting of Forage Rice	Nakano H, et al.	2009	10.1626/pps .12.124	
	Transplantation of Half-Cut Tuber Seedlings Provides Enhanced Yields Over Conventional Sprouted-Vine Planting in Sweet Potato Cultivar "Murasakimasari"	Adachi K, et al.	2011	10.1626/pps .14.291	
	Suppression of Mother Tuber Enlargement in the Sweet Potato Cultivar "Koganesengan" by Transplantation of Bottled Tuber Seedlings	Adachi K, et al.	2012	10.1626/pps .15.57	
Transplant (8)	Yield-enhancing and tuber-downsizing effects of transplantation cultivation method of case-held tuber seedlings in the sweet potato cultivar Beniharuka	Adachi K, et al.	2016	10.1080/13 43943X.20 15.1128086	
	Growth Behavior of Sago Palm (<i>Metroxylon sago</i> Rottb.) from Transplantation to Trunk Formation	Nabeya K, et al.	2015	10.1626/pps .18.209	
	A Model for Phenological Development of Vietnamese Rice Influenced by Transplanting Shock	Kotera A, et al.	2004	10.1626/pps .7.62	
	Can Yields of Lowland Rice Resume the Increases that They Showed in the 1980s?	Horie T, et al.	2005	10.1626/pps .8.259	
	Early transplanting (1)				

Transplant (continued)	Pre-transplanting application (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
	Replacement design (1)	Dual and Triple Intercropping: Potential Benefits for Annual Green Manure Production	Miyazawa K, et al.	2014	10.1626/pps .17.194
Tray / Case / Pot (3)	Cell tray (1)	Transplantation of Half-Cut Tuber Seedlings Provides Enhanced Yields Over Conventional Sprouted-Vine Planting in Sweet Potato Cultivar "Murasakimasari"	Adachi K, et al.	2011	10.1626/pps .14.291
	Prototype plastic case (1)	Yield-enhancing and tuber-downsizing effects of transplantation cultivation method of case-held tuber seedlings in the sweet potato cultivar Beniharuka	Adachi K, et al.	2016	10.1080/13 43943X.20 15.1128086
	Pot experiment (1)	Decreasing input-output balance by reducing chemical fertilizer input without yield loss in intensive cropping system in the Coastal Area of southeast Lake Dianchi, Yunnan Province, China	Wang Y, et al.	2016	10.1080/13 43943X.20 15.1128089
Vernalization (1)		Developmental Fates of Axillary Buds as a Major Determinant for the Pattern of Life History in <i>Lolium</i>	Onishi K, et al.	2003	10.1626/pps .6.179
Watering (10)	Water supply (1)	Growth of Three Rice Cultivars (<i>Oryza sativa</i> L.) under Upland Conditions with Different Levels of Water Supply. 2. Grain Yield	Kato Y, et al.	2006	10.1626/pps 9.435
	Water use (1)	Productivity and Water Source of Intercropped Wheat and Rice in a Direct-sown Sequential Cropping System: The Effects of No-tillage and Drought	Iijima M, et al.	2005	10.1626/pps .8.368
	Water-saving (2)	More Rice, Less Water: Integrated Approaches for Increasing Water Productivity in Irrigated Rice-Based Systems in Asia	Tuong P, et al.	2005	10.1626/pps .8.231
		Evaluation of Water-Saving Rice-Winter Crop Rotation System in a Suburb of Tokyo	Kamoshita A, et al.	2007	10.1626/pps .10.219
	Water-saving cultivation (1)	Growth and Yield of Six Rice Cultivars under Three Water-saving Cultivations	Matsuo N, et al.	2009	10.1626/pps .12.514
	Water-saving irrigation (3)	Interaction between the Effects of Deficit Irrigation and Water Salinity on Yield and Yield Components of Rice in Pot Experiment	Sepaskhah AR, et al.	2009	10.1626/pps .12.168
		Grain Yield and Leaf Area Growth of Direct-Seeded Rice on Flooded and Aerobic Soils in Japan	Okami M, et al.	2013	10.1626/pps .16.276
		Rice Adaptation to Aerobic Soils: Physiological Considerations and Implications for Agronomy	Kato Y, et al.	2014	10.1626/pps .17.1
Water-saving ratio (1)	Water Saving by Shallow Intermittent Irrigation and Growth of Rice	Won JG, et al.	2005	10.1626/pps .8.487	
Rewatering (1)	Photosynthetic Recovery of a Perennial Grass <i>Leymus chinensis</i> after Different Periods of Soil Drought	Xu ZZ, et al.	2007	10.1626/pps .10.277	