Supplementary Data

Agronomic and physiological performance of the indica rice varieties differing in tolerance to low phosphorus

Table S1. Tested cultivars in the study

Age of application	Variety	Plant height (cm)	Growth duration(d)	Yield (t hm^{-2})[a]
1940-1950	Huangguaxian (HGX)	169.80	118	3.12
1940-1950	Yingtiaoxian (YTX)	136.20	117	3.28
1940-1950	Nanjing 1 (NJ 1)	156.50	117	3.49
1960 -1970	Taizhongxian (TZX)	108.50	130	6.70
1960 -1970	Nanjing 11 (NJ 11)	100.20	122	7.85
1960-1970	Zhenzhuai (ZZA)	118.00	127	5.99
1970-1980	IR24	126.20	122	7.40
1980-1990	Yangdao 2 (YD 2)	110.50	145	7.91
1980-1990	Yangdao 6 (YD 6)	114.60	146	7.82
1990-2000	Yangliangyou 6 (YLY 6)	116.20	153	8.99
2000-	Liangyoupeijiu (LYPJ)	121.00	152	9.97
2000-	IIyou 084 (IIY 084)	121.80	153	9.77

[a] Yiled performance is observed in paddy field condition.

Table S2. Hydroponic culture method

Nutrient type	Compound	Transplanting to 10 days after	10 days after transplanting	Heading stage to maturity
		Full-strength solution (g)	1/2 strength solution (g)	1/4 strength solution (g)
Macronutrient	$(NH_4)_2SO_4$	405.72	202.86	101.43
	$Ca(NO_3)_2 \cdot 4H_2O$	736.92	368.46	184.23
	H_3PO_4(ml) [a]	127.35	63.68	31.84
	KCl	154.24	77.12	38.56
	$MgSO_4 \cdot 7H_2O$	2070.00	1035.00	517.50
Micronutrient	H_3BO_3	23.68	11.84	5.92
	$ZnSO_4 \cdot 7H_2O$	1.82	0.91	0.46
	$MnCl_2 \cdot 4H_2O$	14.99	7.49	3.75
	$CuSO_4 \cdot 5H_2O$	0.66	0.33	0.17
	$H_2MoO_4 \cdot H_2O$	0.17	0.08	0.04
	$FeSO_4 \cdot 7H_2O$	62.50	31.25	15.63
	EDTA Na	67.00	33.50	16.75

[a] The content of phosphorus in the full-strength solution was 8.02 mg L^{-1}