

Table 1 The character statistics of rice in four ecological region

	Early season traditional <i>indica</i> (ESCI)				Late season traditional <i>indica</i> (LSCI)				Late season <i>indica</i> hybrid (LSIH)				<i>Japonica</i> rice (JR)			
	Range	Mean	Standard devision	Variation coefficient	Range	Mean	Standard devision	Variation coefficient	Range	Mean	Standard devision	Variation coefficient	Range	Mean	Standard devision	Variation coefficient
X1	5.7~6.9	6.5	0.3	5.1	5.5~7.9	6.8	0.6	8.9	6.4~7.5	6.9	0.4	5.5	5.2~5.6	5.4	0.2	3.1
X2	1.9~2.6	2.2	0.2	9.9	1.8~2.3	2.0	0.1	6.8	2.2~2.8	2.4	0.2	7.2	2.5~3.0	2.8	0.1	5.0
X3	2.2~3.6	3.0	0.4	12.2	2.9~3.6	3.4	0.2	6.1	2.5~3.3	2.9	0.2	0.5	1.8~2.2	2.0	0.1	5.8
X4	5.5~97.5	46.3	95.5	76.6	0~27.5	6.8	7.4	108	5.5~31.5	17.5	7.8	44.2	18.5~67.5	357	14.7	33.9
X5	1845~3723	3113	460	14.8	1927~3831	2778	527	19.0	1617~2434	1982	241	12.2	2683~3295	2928	209	7.1
X6	1383~3064	2046	449	21.9	1324~2167	1645	247	16.0	1276~1584	1408	104	7.4	1776~2574	2187	289	13.2
X7	258~1823	1067	506	47.4	204~1362	1133	503	44.5	269~850	574	163	28.4	553~1006	741	141	19.0
X8	2555~4357	3.9	629	19.7	2535~3631	2977	391	13.2	2547~2990	2795	137	5.0	2743~3646	3236	230	3.3
X9	-1083~1247	79	750	948	-865~1540	198	746	376	516~1116	752	174	23.2	-39~569	308	180	58.4
X10	65~90	82.4	5.3	6.4	23~90	84.4	4.7	5.5	77~91	86.0	4.3	5.0	76~88	85	3.6	4.2
X11	36~94	71.5	17.2	22.1	29~90	68.4	20.6	30.1	46~94	77.7	13.6	17.5	69~33	88	6.1	7.0
X12	10.4~26.7	17.9	6.0	99.5	14.9~25.6	19.1	4.0	20.7	23.4~27.1	25.6	0.9	3.5	17.3~21.2	18.7	1.1	6.1
X13	3.0~7.0	4.9	1.5	30.8	3.0~7.0	5.7	1.2	20.7	4.1~6.9	6.2	0.7	12.2	5.0~6.6	6.1	0.4	6.4
X14	8.9~15.7	12.8	1.7	13.5	16.0~17.3	16.4	1.7	11.9	10.8~16.7	14.6	0.4	3.0	18.0~21.1	19.3	0.9	4.4
X15	4.3~7.7	6.1	1.0	15.8	7.1~9.1	7.8	1.9	23.8	2.7~8.3	7.9	0.3	3.8	8.2~9.7	8.9	0.4	4.7
X16	4.6~7.6	6.5	0.7	11.6	7.8~9.2	8.1	1.3	16.5	4.9~8.4	7.9	0.2	2.2	7.8~9.4	8.6	0.5	5.9
X17	4.8~7.1	6.3	0.6	9.3	7.5~8.9	7.7	1.4	19.7	3.3~6.6	7.0	0.2	3.1	7.6~8.6	8.2	0.3	3.7
X18	4.9~7.1	6.1	0.6	10.2	7.5~8.7	7.8	1.3	17.8	4.1~8.2	7.3	0.2	2.7	7.4~9.1	8.4	0.5	5.8
X19	4.9~7.6	6.5	0.6	9.6	7.3~8.2	7.9	1.2	16.5	3.8~8.1	7.1	0.2	2.7	7.1~8.5	8.1	0.4	4.7
X20	9.5~16.2	13.5	1.7	12.7	16.3~19.1	17.7	1.6	9.2	14.3~18.7	16.3	0.7	3.7	17.8~21.4	19.7	1.2	5.3
X21	41.8~68.2	57.7	6.5	11.3	70.3~81.3	73.5	5.5	7.7	62.7~77.1	70.2	1.6	2.2	74.7~87.8	81.2	3.7	4.6