

Table 8 Comprehensive evaluation

Planting areas	Variety	$S^+$	$S^-$	$C_i$	Ranking of comprehensive evaluation	Output (yuan/hm <sup>2</sup> )	Output value ranking
Planting areas in Southwest Sichuan	09011	0.100 0	0.049 3	0.330 1	5	43 257.33	4
	X3	0.132 8	0.017 5	0.116 7	7	40 254.56	7
	X4	0.115 8	0.030 3	0.207 4	6	41 381.72	6
	SCT01	0.049 0	0.092 3	0.653 2	2	47 254.48	1
	k326	0.075 2	0.068 5	0.476 6	4	42 841.13	5
	Yunyan87	0.039 8	0.112 1	0.738 1	1	46 282.12	2
	Hongda	0.075 1	0.094 2	0.556 4	3	43 602.36	3
Planting areas in South Sichuan	09011	0.126 3	0.075 9	0.375 4	3	45 134.24	2
	X3	0.166 6	0.026 9	0.139 0	5	36 143.03	6
	X4	0.163 8	0.019 4	0.105 6	6	38 204.77	5
	SCT01	0.120 4	0.060 8	0.335 5	4	41 782.16	4
	k326	0.037 9	0.161 8	0.810 4	1	45 608.83	1
	Yunyan87	0.105 4	0.088 2	0.455 5	2	42 160.85	3
Planting areas in North Sichuan	09011	0.025 9	0.117 7	0.819 4	1	25 263.54	1
	X3	0.097 1	0.041 7	0.300 5	5	22 471.38	4
	X4	0.090 6	0.046 1	0.337 4	3	19 983.78	5
	SCT01	0.103 1	0.045 0	0.303 6	4	22 853.84	3
	Yunyan87	0.042 6	0.091 1	0.681 2	2	22 872.93	2