

Table 6 "Ideal solutions" matrix  $X^*$ 

Planting areas	Yield (kg/hm <sup>2</sup> )	Proportion of superior tobacco (%)	Output (yuan/hm <sup>2</sup> )	Number of leave (piece)	Stem circumfer ence (cm)	Plant height (cm)	Nicotine content (%)	Total sugar content (%)	Kalium content (%)	Black shank index
Planting areas in Southwest Sichuan	0.090 2	0.235 1	0.301 4	0.035 1	0.021 7	0.021 7	0.057 1	0.035 1	0.034 9	0.167 6
Planting areas in South Sichuan	0.090 2	0.235 1	0.301 4	0.035 1	0.021 7	0.021 7	0.057 1	0.035 1	0.035 1	0.167 6
Planting areas in North Sichuan	0.090 2	0.235 1	0.301 4	0.035 1	0.021 7	0.021 7	0.057 1	0.035 1	0.031 5	0.167 6