

Table 7 "Negative ideal solutions" matrix  $X^*$

Planting areas	Yield (kg/hm <sup>2</sup> )	Proportion of superior tobacco (%)	Output (yuan/hm <sup>2</sup> )	Number of (piece)	Stem leaf circumfer ence (cm)	Plant height (cm)	Nicotine content (%)	Total sugar content (%)	Kalium content (%)	Black shank index
Planting areas in Southwest Sichuan	0.071 2	0.149 8	0.256 8	0.027 2	0.018 2	0.018 9	0.037 1	0.026 0	0.021 4	0.077 9
Planting areas in South Sichuan	0.077 0	0.174 1	0.238 8	0.030 4	0.019 9	0.017 1	0.032 4	0.034 8	0.024 1	0.023 2
Planting areas in North Sichuan	0.075 0	0.187 9	0.238 4	0.031 4	0.018 7	0.017 7	0.038 6	0.031 2	0.024 1	0.073 1