

Table 2 Related data of weight vector calculation

Indexes	M_i	W_i	AW_i
Yield (kg/hm ²)	1.399 4	0.090 2	0.915 8
Proportion of superior tobacco (%)	3.647 4	0.235 1	2.403 6
Output (yuan/hm ²)	4.676 3	0.301 4	3.194 6
Number of leave (piece)	0.543 9	0.035 1	0.355 1
Stem circumference (cm)	0.336 1	0.021 7	0.221 1
Plant height (cm)	0.336 1	0.021 7	0.221 1
Nicotine content (%)	0.886 6	0.057 1	0.581 8
Total sugar content (%)	0.543 9	0.035 1	0.355 1
Kalium content (%)	0.543 9	0.035 1	0.355 1
Black shank index	2.599 9	0.167 6	1.729 0