

ICS 03.100
CCS A00



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/Z 35038-2018

**Specifications for operation management of Chinese medicinal
materials (Notoginseng) project**

中药材（三七）产业项目运营管理规范

Issued on: May 18, 2018

Implemented on: May 18, 2018

**Issued by: State Administration for Market Regulation;
Standardization Administration of China**

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Foreword

This guidance technical document was drafted in accordance with the rules given in GB/T 1.1-2009. Please note that some of the contents of this document may involve patents. The issuing organization of this document is not responsible for identifying these patents. This guidance technical document was proposed and managed by the China National Institute of Standardization. This guiding technical document drafting unit. Kunming University of Science and Technology, Chinese Medicine Resource Center of China Academy of Chinese Medical Sciences, Wenshan Prefecture Biological Resources Development And Sanqi Industry Bureau, China National Institute of Standardization. The main drafters of this guiding technical document. Cui Xiuming, Huang Yiqi, Chen Min, An Xin, Yang Ye, Qu Yuan, Wang Chengyu, Liu Diqu, Zheng Dai shirt, Ma Chengying, Liu Bolin, Sun Zhaoyang, Cheng Yue.

Sanqi has the efficacy of preventing and treating cardiovascular and cerebrovascular diseases. It is compound Danshen Dripping Pill, Yunnan Baiyao, Xuesaitong, Pien Tze Huang and so on. The main raw material of large varieties of proprietary Chinese medicines. At present, there are more than 1,500 Chinese medicine enterprises that use Sanqi as a raw material for their products, with Sanqi as raw material. There are more than 400 kinds of proprietary Chinese medicines, and more than 3,000 Chinese medicine preparations containing Sanqi, including national essential medicines and traditional Chinese medicine protection varieties. There are 10 kinds in the catalog. The Sanqi industry is a bio-health and health industry with high efficiency and quick results. The output value of 37 tons is up to 40,000 yuan to 80,000 yuan. Yuan has a great role in promoting the income of farmers in mountainous areas. The distribution of Sanqi planting is mainly in Yunnan, Guangxi, Guizhou and other places, and these The region is also a poverty-stricken area with concentrated contiguous areas in China, with deep poverty and relatively closed traffic. But these areas have long and mature artificial species In the history of planting, some practitioners in the region are skilled in technology, the research and development units

have strong research and development capabilities, and the scale of production enterprises is large, with the success of one, two, and three production linkages. Experience and case. Therefore, in this area, choose the suitable planting area of Sanqi, and launch the poor farmers to plant the Sanqi, first planting and then planting, enterprises with farmers, and politics. The government's matchmaking bridge provides guarantees and has unique advantages and characteristics in industrial poverty alleviation, which can become the preferred industry for precision poverty alleviation. This guidance technical document can be used as reference for the operation and management of the Sanqi Industry Poverty Alleviation Project. Chinese herbal medicine (Sanqi) industrial project operation management norms

1 Scope

This guiding technical document gives the project conditions, the division of responsibilities, the project organization and operation, the analysis of the expected results of the project, the poverty-alleviation cycle and the project evaluation and management for poverty alleviation projects in the Chinese medicinal material (*Panax notoginseng*) industry, and provides a standardized typical case of targeted poverty alleviation through the *Panax notoginseng* industry (see Annex A). This guiding technical document applies to the operation management of Chinese medicinal material (*Panax notoginseng*) industry projects.

This guiding technical document gives the project conditions, division of responsibilities, project organization and operation, and project of the Chinese medicine (37th) industrial poverty alleviation project. Expected results analysis, poverty alleviation cycle, project evaluation and management, and provide a typical case of standardization of poverty alleviation in the Sanqi industry (see See Appendix A). This guidance technical document is applicable to the operation and management of industrial projects of Chinese herbal medicines (Sanqi).

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article. Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 19086 geographical indication product Wenshan Sanqi Chinese Pharmacopoeia (Chinese Pharmacopoeia)

ISO 20409 Chinese medicine Sanqi medicine
(TraditionalChinesemedicine-Panaxnotoginsengrootandrhi- Zome)

3.1 Natural conditions

3.1.1 Optimal area The altitude in this area is 1400m~1800m, the annual average temperature is 15°C~17°C, and the coldest monthly average temperature is 8°C~10°C. The hottest monthly average temperature 20 ° C ~ 22 ° C, ≥ 10 ° C annual accumulated temperature 4500 ° C ~ 5500 ° C, annual precipitation of 1000mm ~ 1300mm, frost-free period of more than 300d, The soil types include red soil, yellow red soil, yellow red soil and other soil types. These soil layers are deep, loose in texture, and have strong water and fertilizer retention capacity.

3.1.2 Appropriate area The altitude is 1000m~1400m and 1800m~2200m, the annual average temperature is 16°C~18°C and 14°C~16°C, the coldest monthly average temperature 10 ° C ~ 12 ° C and 6 ° C ~ 8 ° C, the hottest monthly average temperature 22 ° C ~ 23 ° C and 17 ° C ~ 20 ° C, ≥ 10 ° C annual accumulated temperature 5000 ° C ~ 5900 ° C and 4200 ° C ~ 4800 ° C, annual precipitation of 900mm ~ 1300mm, frost-free period of more than 300d and 280d ~ 300d. altitude In the area of 1800m~2000m, the spring cold weather will affect the growth of *Panax notoginseng* seedlings from time to time in spring.

3.1.3 secondary suitable areas and unsuitable areas In areas with an altitude of 1000m or less and 2200m or above, the coldest month is ≥ 12 °C and 6°C, and the hottest monthly average temperature is > 23 °C. < 17 °C, ≥ 10 °C annual accumulated temperature is below 6000°C and below 4100°C, annual precipitation is above 1300mm, frost-free and frost-free period is 280d under. The areas below 1000m above sea level are mainly in the low-heat valleys and depressions. The surface water evaporates quickly, and the dry season needs to be watered frequently. Large, above 2200m above sea level is a cool and cool area, susceptible to "downhill cold and August low temperature". Can only be sporadic, and the yield is unstable. Not suitable as a cultivation area for *Panax notoginseng*.