

## A Study and Application of Sample Surveys on the Vegetable Industry in China

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**Abstract:** To study a new sampling survey method and determine new indices which coincidence with the current economy system and market environment for the Chinese vegetable industry, this paper adopted a sampling survey method and designed and applied a new vegetable crops sampling survey and reporting table system (VSS) based on scientific, practicability, usability, anti-intervention and economy principles since 2002. VSS improved or developed the following for six sectors: survey contents, sampling methods, indices establishment, coding, survey methods and estimation methods. As a result, the following were accomplished:

1. Developed new benefits indices for vegetables that can represent the general vegetable production status more scientifically and truthfully, improving the quality of survey result and enhancing its value.
2. Determined sampling site by using city data as a sample frame. This can meet the needs of the classification administration and will diminish sampling error induced by marked differences of natural resources and production levels.
3. Farmer establishes production logs for sampled units supports needs of survey indices, enhance availability, increases authenticity, and can provide correlative information.

The author has now practiced VSS for five years, made it to be perfect gradually, acquired good results in practices, received approval of specialists in statistical and agricultural fields inside and outside of Hebei Province.