

A PROPOSAL ABOUT ESTABLISH REASONABLE PURCHASE PRICE SYSTEM BASED ON THE SUNFLOWER OIL CONTENT

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ABSTRACT

Most sunflower seed used for oil. Up to now, while Chinese grain department establish sunflower purchase price, the quality elements were thought over are humidity and impurity, not oil content of seed, this is not reasonable. It is unfavourable for improve sunflower quality, unfavourable for sunflower processing, unfavourable for sunflower research and production. We think that a new price system should be established with the main quality elements: oil content, humidity and impurity. Classify different grades according to sunflower seed oil content, then different price for different grade sunflower, in order to promote oilseed sunflower extension and develop sunflower production.

Key words: sunflower price system oil content

Sunflower is one of the most important oil crops in the world, sunflower production developed very fast recently. The sunflower sowing surface in China is about 900,000 hectares, concentrated in northeast, northwest and north parts of China. Sunflower oil is a kind of excellent vegetable oil, the concentrations of oleic acid, linoleic acid and vitamin E are high, it possess the function of nutrition and health protection, the consumers like to eat sunflower oil very much, besides it also can be used for wide industry use, possess high economic values.

Most sunflower grain used for oil processing, only small part used for candy. Since oil is main composition of sunflower seed, the seed oil content should be thought about when we determine sunflower price. Up to now, Chinese grain department determine same price for both oilseed sunflower and edible sunflower, pay no attention to seed oil content, it is not reasonable, result in farmers try simple to increase grain yield, oilseed sunflower extension work is impeded. Seed oil content is a important quality element, it is not reasonable that determine sunflower price regardless of seed oil content, this situation must be changed.

It is inevitable to establish sunflower price system according to seed oil content. It is well known, in some European countries sunflower research and production advanced rapidly, sunflower seed oil content improved obviously

after sunflower hybrids had been developed, the sunflower price system have been established according to seed oil content in those countries, it promote oil sunflower hybrids extension. Determine sunflower price based on seed quality is reasonable, oilseed sunflower widely diffused is sunflower production developing tendency.

While sunflower grain were purchased in China, currently the quality parameters used to pay sunflower grain are humidity and impurities. The reference price is established for 12% of humidity and 2% of impurity, but seed oil content, the most important quality element, has not been thought about. It is unreasonable. If the seed oil content lower, the hull percentage increase, the oil yield lower and the extracting cost increased, it is unfavourable for sunflower production and processing. We should pay more attention to seed oil content, reduce the hull percentage in order to improve economic benefit and effect.

It is a complex work to determine purchase price in accordance with the sunflower quality, the quality elements concerned not only oil content also protein content. Sunflower oil and meal are the main product obtained from sunflower grain, so the sunflower purchase price should depend on the oil price, meal price, processing cost and the profit of oil mill. In general oil sunflower varieties has high oil content and low hull percentage, high oil content has little effect on protein content. In order to simplify the problem, at first we keep a relative stable of humidity and impurity, classify sunflower grain according to the oil content, then different prices for different grade sunflower grain, work out a reasonable sunflower purchase price system.

It is favourable for improve sunflower grain quality and improve economic benefit and effect to determine the price according to sunflower quality, also good for sunflower production, processing and research. If the farmers plant high oil content varieties, the oil yield will be increased, the processing cost of oil mill will be lowered, the farmers can get more income by planting oilseed sunflower variety, this would promote oilseed sunflower extension, push the sunflower research and production forward.