

Study on Locusts Agricultural Proverbs

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ABSTRACT: Locust disaster was one of the most serious natural disasters that affected the agricultural production. In the traditional society, it was almost devastating. The laboring people had accumulated rich locust knowledge and experience in fighting against the locust disaster, and some of them formed a proverb about locust agriculture. At present, the locust proverbs collected were classified into three types: Locust damage, locust knowledge and locust management. At the same time, he briefly analyzed the characteristics of the locust proverb, and pointed out that it had the features of scientific, regional and time effect.

1. Introduction

Looking back on the development of China's agriculture, it is not difficult to find that natural disasters occur frequently in China, especially floods, droughts and locusts. In the period of traditional agriculture, people have done a lot of research on locust disasters and locusts, and such knowledge is also recorded in agricultural proverbs. This paper aims to sort out and classify locusts, locust disasters and their related agricultural proverbs, and preliminarily summarize and analyze the content and characteristics of locust proverbs. According to the contents of the "Chinese agricultural proverb" in the Editorial Department of the Agriculture Press, another small amount is quoted in Henan, Hebei, Shandong, Anhui, Jiangsu, Northeast, three provinces, etc. No longer a notes.

2. Locusts and Agricultural Proverbs

As one of the largest natural disasters in ancient China, the disaster is almost devastated in the traditional agricultural period. The harm caused by agricultural production development is almost devastating. Whenever the disaster is struck, the flying locust is swallowed, so that the food shortage, which leads to a famine, causing economic losses, the degree of harm, and free.

The aphid farmer is a very important part of the farmers. On Agricultural Proverbs record: "The agriculture is the experience of experience in the long-term production practice of the working people, and has certain guidance for agricultural production." [1] Substrate the apartment and its related materials, and there is also a certain amount of significance of the law and disaster prevention.

3. Classification of Locust Agricultural Proverbs

Locust farming, its contents mainly include: the harmful agricultural proverbs of locusts, the awareness of the awareness of the apex agriculture and the proverb of the content of the platform. The author organizes and makes preliminary analysis, as follows:

3.1 Locust Harm Agricultural Proverb

- (1) Flying all over the sky, the crops are eaten.
- (2) Grasshopper, grasshopper, the left is dead.
- (3) Mention the grasshopper, only the crops are eaten; mention the crop, the crops are cleaned.

The above 3 farming is awareness of the harm of the working people for the harm of locusts. “The disaster is disasters is the most disaster disaster. The harm of disasters is more serious than the flood, drought is more serious, and the food is destroyed, resulting in no feed feeding of livestock.” [2] After the disaster, it is undoubtedly devastating the damage of the food to the disaster, and even harvest, the damage caused by traditional farmers' agricultural production in the family is undoubtedly devastating.

3.2 Locust Knowledge Agricultural Proverbs

- (1) There is rain in the Dragon Boat Festival, causing the valley to rot, the river is shallow.
- (2) Sticky worm home, locust in the water.
- (3) Dried sorrowful grasshoppers, rain multi-raw fish.
- (4) Waterlog, drought continuous, causing a large number of locusts.

These four peneves recorded the locust place and the law of life. “Ecological governance of China's main locusts and disaster disaster” pointed out that East Asia has certain selectivity for the water content and soil quality of the spawning, and the experimental data is obtained, the most suitable soil water content of East Asian flying. It is 10% to 20%. The sidelines mentioned by the ancestors of the ancestors, and the low-lying moisture is suitable for the locusts. [3] In addition, the scorpions mentioned in the farming, the grasshoppers referred to the locusts, but it also distins. The scorpion, also known as a locust, is a larva of a locust. Grasshopper, namely, grasshopper, grass, folk multi-grasshopper, locust is its name.

- (5) New Year's Day is red, there will be a locust.
- (6) On New Year's day, there are red clouds in the East, and there must be locust brine.
- (7) When the west wind blows at the beginning of summer, locusts will fly all over the ground.
- (8) It rained on the fifth day of May, and locusts, aphids and bean worms ran all over the ground.
- (9) There is less rain in autumn and fewer locusts in the coming year.

This 5 proverb records the law of the activity of locusts and the formation of locusts, is an empirical summary of the understanding of locust-related laws. The alternation of water droughts, more suitable for the growth and development of locusts and their larvae, and can easily lead to disasters. In addition, there is also a relationship between many natural phenomena and locusts, such as: New Year's Day and after the change in the sun, the summer season, changes in the Dragon Boat Festival, the climate change in the Dragon Boat Festival, the changes in rainfall The effect of locusts.

3.3 Agricultural Slang to Eliminate Locusts

- (1) One thing falls one thing, mantis drops poison.
- (2) Three mantises worth a long worker.
- (3) Rice fields put ducks, can not only pest and weeding.

China is one of the first countries to adopt the method of insect control. These three agricultural proverbs record the use of insects to control insects and the use of species natural enemies to eliminate locusts and insects. Mantis, which preys on harmful insects in farmland, is the natural enemy of agricultural pests such as locusts. In addition to the mantis mentioned in the agricultural proverb, many birds, animals, frogs, ducks and other poultry have a certain degree of locust control effect.

(4) Hit the flying, the crops left.

(5) Locust hit, sticky insect comb.

(6) Fill in the puddle, can prevent insect snakes.

(7) Clear a pests and can't be superstitious, superstitious is immisory.

Human fragrant locusts, and finds a locust and other pests, eliminating pests, and eliminating the harm. The 4th, the fourth penesis is still in explanation, and the summer is in the disaster, the people fell to capture the flying locust, but its labacua will hatch into a scorpion, and then develop into a autumn, some crops are ignored by the locusts, become a light pole. [4] In addition to the mites, it should adhere to science, not superstition, is premise. During the feudal society, the majority of the working people were fascinated by superstition, and they seemed to protect the cause of the active active.8. In addition to locusts such as weeding, be sure to early.

(8) Eliminate aphids like the weed weed, must be early.

(9) Cuts in crops often clean up pests, and the grain production has increased.

(10) Clean up pests and prevent insectasily combined, crops grow well.

(11) Spring removal pests is better than in summer.

(12) Winter removal of pests, the second year, the food is harvested.

(13) Turn the land in winter, will freeze the winter pests.

(14) The cold dew to the winter, turn the land will freeze the pests of winter.

(15) Winter clearing the weed weeds, which is conducive to the second year of crop growth

(16) If there is a disaster, there is more crops such as bean cotton this year.

In the process of governing auspice, it should be paid to prevention, early governance, and insist on preventing the principle of preventing insectover insecticides in governance, implementing prevention, prevention, and consequential methods. For example, different procedures should be taken according to the season. Clear insect eggs in winter, or flourish the pest in the autumn and winter, and in the horror of the pests, the demonstration methods in these farmers should also be different according to the length of the area, the soil conditions are different, the climate is different. The difference in conditions makes appropriate adjustments. It is also necessary to use some anti-insect-resistant crops that are resistant to the disaster, such as beans, cotton, sweet potatoes, etc. Agricultural production is highly attached importance to the principles of these anti-insects and disaster prevention.

4. Characteristics of Locust Farming Proverbs

The proverb, “resignation” is released, and the scrambled words, more streams of the folk concise and meaningful statements, most of the experience of reflecting people's lives and struggles [5]. Aphid agricultural proverb is a scientific, scientific, regional, and timeliness.

4.1 Scientific

The knowledge taught by the proverb is based on the practice experience of the people, and thus summarizes the regularities of the general contact and movement of objective things to varying degrees, with certain scientific basis [6], locust This is also true, the locust proverbs are in line with modern science, with certain science. For example, a “drought is born, and the fish” is the

environmental issue that is dependent on the growth of locust larvae. These two proverbs are the farmers in the eastern part of our province, the western and northern regions. It contains scientific sayings: grasshopper (locust) and fish and shrimp you like to produce oves on the lake or incense, but fish's eggs are produced in places with water, and the eggs of grasshoppers are produced after retreating. Shore or depression. If the incident is still flooded, the grasshopper egg is flooded, but the ovulation of fish and shrimp is incubated. If the commences have been encountered early, the grasshopper eggs have incubated, but the fish and shrimp eggs are died. [7]

4.2 Geographicality

Locust farmers, the production experience of locust knowledge and governance measures, and its region also reflects the regionality of the majority of labor people and disaster strife. The locusts are very popular, and there are many places in Shandong, Hebei, Henan, Jiangsu, Anhui. Or because of many places, there are differences in language, agricultural habits, and have certain geographical properties, so collecting a summary of locusts from all over the world. The regionality of locust farming is also applicable in a slang, which is not applicable elsewhere, or not suitable. For example, "The aphids have been disaster in the last year. This year, the beans cotton is planted." This is that the lasezer is to investigate the beans, cotton crops to avoid problems, but some areas where it is not suitable for these two types of crops. It is not appropriate to use this method to deal with disasters. Therefore, the genitals of locusts are strong, and they should be combined with the specific actual use of middle school, which is appropriate.

4.3 Timeliness

Locust agriculture proverbs have a scientific feature, there must be limitations. The characteristics of the timing also reflect the limitations of locust proverbs to some extent. Since the reform and opening up, scientific and technological leaping, agricultural production methods and agricultural production conditions have changed, and there are already locust farmers, or it is not applicable, or it is not fully applicable. For example, "During the winter season, the pests of the land will be frozen, the pests of the pests" is mentioned in the second use of winter, turning to the ground to remove the eggs, governing pests, and the next time, when it is oblainant. Fully, and it is difficult to achieve large-scale exfoliation effect. In addition, the continuous development of modern science is not only to use traditional methods to observe the sky, but also summarizes the "experience science" predicting locusts. This kind of locust that is summed up in accordance with traditional experience has also been limited.

5. Conclusion

There are many disasters that have occurred during the traditional Chinese social period. In the practice of govern the disaster, the accumulation experience has become a different kind of locust agricultural proverb, the experience knowledge contained in the proverb reflects the true level of the governance of the historical period, which contains ancients. Rich experience wisdom, sorting classification and briefly analyze the proverbs of locusts, there is a certain reference for today's gratia.

References

- [1] You Xiuling. "On the Agriculture". *Agriculture Archeology*, vol.39, no .3, pp.270-278,1995.
- [2] Zhang Chongwangr, *China Disaster-Ming Dynasty*, 1st ed.,vol.1,China:Beijing,pp. 114,2019.
- [3] Chen Yonglin,*Ecological Governance of China's Main Locusts and Disasters*,1st ed.,vol.1,China:Beijing,pp.

95,2007.

- [4] Ma Shuangweng, *North China Agricultural Proverb*, 1st ed., vol.1, China:Beijing.pp.44,1957.
- [5] Li Fengqi, *An interpretation of Shaanxi Agricultural Proverbs*, 1st ed., vol.1, China: Xi'an,pp.1,2005.
- [6] Ma Jiandong. "Scientific and Limitations of Proverbs". *Chinese Journal*, vol.37, no.5, pp.67-71,2017.
- [7] Yuan Jianping, *On Henan Agricultural Proverbs* , 1st ed., vol.1. China:Zhengzhou.pp.28,1984.