

## Effects of “KEJIEJIA” Humic Acid on Yield Increase of Passion Fruit and Sanhong Honey Pomelo

Passion fruit, also known as passionflower, can be consumed in its raw form or as a vegetable. It possesses stimulating and invigorating properties when used as medicine. It is a succulent fruit that can be transformed into a fragrant and delightful beverage. Sanhong honey pomelo is rich in various vitamins and mineral nutrients, including lycopene and  $\beta$ -carotene, with nutritional and healthy functions to aid in regulating human metabolism, reducing blood pressure and relieving the heart, expelling phlegm and moistening lung, helping digestion and dispelling the effects of alcohol, inducing diuresis and relaxing the bowels, reducing internal heat and diminishing inflammation. Both passion fruit and Sanhong honey pomelo are highly ideal fruits that provide nutritional and healthy benefits, which is why they are particularly favored in southeastern coastal cities. Nonetheless, these two fruits commonly face the issue of low high-quality fruit yield during cultivation and production, resulting in meager economic benefits.

Baihui Nengye Agricultural Co., Ltd. (hereinafter referred to as “Baihui Nengye”) in Meizhou City, Guangdong Province, cultivates 175mu of new passion fruit varieties and 900mu of Sanhong honey pomelo on its farm bases. Leveraging the unique climatic conditions and mountainous resources of Wuhua County, Meizhou City, “Baihui Nengye” is committed to producing premium fruits of exceptional quality.



Ecological Farms of “Baihui Nengye”

The responsible person of “Baihui Nengye” accidentally encountered the product of “KEJIEJIA” - Highly Active Humic Acid and indirectly learned that this product is deemed as the “commander” of the soil as it can not only loosen compacted soil and enhance the growth of fruit trees, but also elevate the sugar content of the fruit, enhance the fruit quality, and expedite the fruit’s entry into the market. After some conversation, it became apparent that the concept of the “KEJIEJIA” technical team aligns exactly with the objective of “Baihui Nengye” - both emphasizing stringent control over the planting process and modern planting techniques to assure product quality and ultimately increase the yield rate of high-quality fruit and output value per unit.

In 2018, Ping Shijie, the executive director of the technical team at “KEJIEJIA”, visited the farm of “Baihui Nengye” to provide on-site guidance. He proposed standardized management practices for passion fruit and pomelo based on

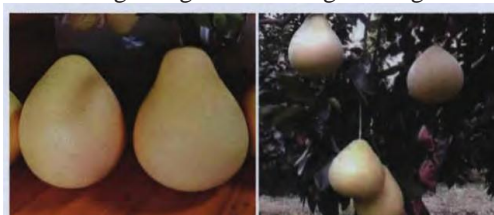
the topographical and climatic characteristics of the Meizhou area, bringing significant innovation in pruning, frame erection and fertilization, watering, and other cultivation processes.

On April 5, the most recent group of passion fruit was planted on the farm of “Baihui Nengye”, with each plant receiving 15kg thoroughly decomposed farmyard manure mixed with “KEJIEJIA” Highly Active Humic Acid as base fertilizer. The foliar spraying of “KEJIEJIA” Highly Active Humic Acid every 20 days from the seedling period effectively enhanced the disease resistance of passion fruit, prevented disease occurrence and reduced the use of pesticides. The ripe fruit’s sweetness measured at 19.5 degrees, which is 2-3 degrees sweeter than the passion fruit at the market. The average single fruit weight reached 100g/fruit, which is 30g heavier than the conventional level.



Effect of “KEJIEJIA” Highly Active Humic Acid on Passion Fruit

On October 5, 2017, “KEJIEJIA” Highly Active Humic Acid powder was applied to the Sanhong honey pomelo on the farm of “Baihui Nengye” at a rate of 500g/plant, the base fertilizer was added once through hole application. “KEJIEJIA” Highly Active Humic Acid liquid diluted 800 times was applied through foliage spray 3 times. The leaf width and length of Sanhong honey pomelo increased by 0.5cm and 0.9cm, respectively. The growth of the pomelo trees was moderate, without excessive branches in summer and autumn. There was no lignification when the pomelo ripened, and the sweetness of the fruit measured at 13 degrees, with sugar content increased by 11.7%-25.3%. The average weight gain of single fruit from trees of the same age ranged from 400g to 600g.



Effect of “KEJIEJIA” Highly Active Humic Acid on Honey Pomelo

The passion fruit and pomelo treated with “KEJIEJIA” Highly Active Humic Acid garnered positive feedback from consumers, leading to a rise in the volume of orders until now. Witnessing this development, the responsible person of “Baihui Nengye” felt delighted and expressed sincere thanks to the “KEJIEJIA” products and their technical team for their guidance!

(Source: Xinyi Sumeng Fertilizer Co., Ltd.)