

## Application of "KEJIEJIA" Highly Active Humic Acid Achieves Initial Results in Gingers

Zhang Yucai (tel.: 18669983441) from the Bureau of Economy, Trade and Information Technology of Yinan County, Linyi City, Shandong, carried out a test this year on ginger cultivation with the application of "KEJIEJIA" Highly Active Humic Acid in three different test plots in Yinan County.

**Test Plot I:** A piece of land covering an area of 2mu in Majiaguaitou Village, Puwang Town, Yinan County, Linyi City, Shandong Province, which had been untouched by agricultural crops for five years. In the spring of 2018, the effectiveness test was started by planting gingers with the application of "KEJIEJIA" Highly Active Humic Acid on this plot. The test was divided into two groups: One group was treated with "KEJIEJIA" Highly Active Humic Acid, while the other group was untreated. Both groups followed the same cultivation management measures. First, 500kg ginger seeds were prepared, followed by ditching and land preparation, with each ditch measuring 15cm in width and 30cm in depth. The distance between each ditch was 50cm. To provide shade, poplar branches with a height of about 50cm were inserted along the ridges. Once the ditching was completed, "KEJIEJIA" Highly Active Humic Acid was applied at a dose of 20kg/mu. The ginger seeds were placed flat on the substrate, with ginger sprouts facing upwards. Each ginger seed was spaced 20cm apart. Qingdao WODIWO soybean meal (organic matter  $\geq 65\%$ , living bacteria count  $\geq 20$  million/g, nitrogen, phosphorus and potassium  $\geq 6\%$ ) was sprinkled at a dose of 20kg/mu. Finally, the plot was covered by soil for field planting.



Comparative Test of Gingers Treated with "KEJIEJIA" Highly Active Humic Acid (Majiaguaitou Village)

**Test Plot II:** A piece of land covering an area of 3mu in Sanshangou Village, Tongjing Town, Yinan County, Linyi City, Shandong Province, where gingers were cultivated two years ago. Part of the plot (about 66.7m<sup>2</sup>) experienced a "ginger blast" (which was suspected to be root nematode disease), resulting in thin, unfilled and deformed ginger pieces and reduced yield. Some ginger pieces were rotten, and the plot was abandoned in 2017. In the spring of 2018, the farmer who owned the plot heard about the positive effects of "KEJIEJIA" Highly Active Humic Acid in overcoming soil obstacles in continuous cropping, preventing root nematode disease, improving soil quality, enhancing gingers' stress resistance, increasing ginger yield, and improving ginger quality. He decided to replant ginger officinale roscoe in the plot to test the effectiveness of these products. The test was divided into two groups: One group was treated with "KEJIEJIA" Highly Active Humic Acid, while the other group was untreated. Both groups followed the same cultivation management measures. First, 800kg ginger seeds were prepared, followed by ditching and land preparation, with each ditch measuring 15cm in width and 30cm in depth. The distance between each ditch was 50cm. Once the ditching

was completed, "KEJIEJIA" Highly Active Humic Acid was applied at a dose of 20kg/mu. The ginger seeds were placed flat on the substrate, with ginger sprouts facing upwards. Each ginger seed was spaced 20cm apart. The organic-inorganic compound fertilizer (nitrogen, phosphorus and potassium  $\geq 15\%$ , 12-0-3) produced by Sino-Agri Shuntian Ecological Fertilizer Co., Ltd. was sprinkled at a dose of 20kg/mu. Finally, the plot was covered by soil for field planting.



Comparative Test of Gingers Treated with "KEJIEJIA" Highly Active Humic Acid (Sanshangou Village)

**Test Plot III:** A piece of land covering an area of 1mu (test base of Stanley Group) in Baozhu Village, Sucun Town, Yinan County, Linyi City, Shandong Province. The issue of soil salinization has worsened due to poor drainage on the plot and continuous cultivation of gingers for three consecutive years. In order to improve the income and quality of gingers, Stanley Group's salesmen agreed to conduct an effectiveness test by applying "KEJIEJIA" Highly Active Humic Acid in gingers. The test was divided into two groups: One group was treated with "KEJIEJIA" Highly Active Humic Acid, while the other group was untreated. Both groups followed the same cultivation management measures. First, 120kg ginger seeds were prepared, followed by ditching and land preparation, with each ditch measuring 15cm in width and 30cm in depth. The distance between each ditch was 50cm, with interplanting of corn or wheat. Once the ditching was completed, "KEJIEJIA" Highly Active Humic Acid was applied at a dose of 20kg/mu. The ginger seeds were placed flat on the substrate, with ginger sprouts facing upwards. Each ginger seed was spaced 20cm apart. The compound fertilizer (nitrogen, phosphorus and potassium  $\geq 28\%$ , 3-17-8) produced by Stanley Agriculture Group Co., Ltd. at a dose of 50kg/mu was sprinkled. Finally, the plot was covered by soil for field planting.



Comparative Test of Gingers Treated with "KEJIEJIA" Highly Active Humic Acid (Baozhu Village)

The test results with the three plots revealed that the test groups displayed ginger seedlings that were tidy, robust in growth, and strongly resistant to stress, which proved the positive effects of KEJIEJIA Highly Active Humic Acid on gingers. These effects will be further confirmed after the harvest of gingers. (Source: Xinyi Sumeng Fertilizer Co., Ltd.)