

## Strength of “KEJIEJIA” Products Proven in Potatoes



Zhou Kejie, Chairman of Xinyi Sumeng Fertilizer Co., Ltd. and Rizhao KEJIEJIA Environmental Protection Biotechnology Co., Ltd.

Zhou Kejie is the Chairman of Xinyi Sumeng Fertilizer Co., Ltd. and Rizhao KEJIEJIA Environmental Protection Biotechnology Co., Ltd. In 2014, Chairman Zhou Kejie was honored with the prestigious title “Make the Humic Acid-Soil Dialogue Happen” at the “Fifth National ‘Black Gold Cup’ Competition of the Humic Acid Industry”; in 2015, he received the honorary “2015 Angel Award for Communication of ‘Beauty Factor’”. Thanks to the leadership of Chairman Zhou Kejie, the products under the brand of “KEJIEJIA” series have made their mark across the country and beyond, enduring nearly a decade of challenges and successes.

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Anshun Agricultural Science Academy, established in 1958, is committed to the introduction, test and demonstration of high-quality and high-yield grain crops and cash crops, as well as the research on the application of biological tissue culture technology. In 2014, it was by chance that Mr. Ping Shijie, the deputy general manager of KEJIEJIA Environmental Protection Biotechnology Co., Ltd., visited the Academy with his “KEJIEJIA” biological humic acid liquid, introducing and providing the product for tests with us. The stock solution of the product encompasses various microbial communities cultured with a distinctive enzyme digestion fermentation process in specific proportions. It contains photosynthetic bacteria, lactic acid bacteria, yeasts, actinomycetes, filamentous bacteria and other flora that are invisible to the naked eye, creating an artificial effective microbial ecosystem. Within this ecosystem, diverse microorganisms establish a symbiotic relationship during their growth for group synergy, impeding the growth and reproduction of harmful microorganisms. Their metabolites can promote the growth of animals, plants and other organisms, suppress disease occurrence, improve soil quality, boost soil fertility, prevent root rot, stimulate the germination of new root systems and flower bud differentiation, and provide resistance to waterlogging, drought and frost.

In the autumn of 2014, I began to use the “KEJIEJIA” biological humic acid liquid to carry out autumn reproduction tests on potatoes. The seed soaking method was as follows: soaking the seeds in “KEJIEJIA” biological humic acid liquid diluted 100 times for 10min, 15min and 30min; the fertilization method was as follows: seeds soaked in base fertilizer + compound fertilizer (half) + “KEJIEJIA” diluted liquid for 15min + foliage dressing (brown sugar: “KEJIEJIA” liquid: water = 0.5:1:100), seeds soaked in base fertilizer + compound fertilizer (conventional) + “KEJIEJIA” diluted liquid for 15min + foliage dressing (brown sugar: “KEJIEJIA” liquid: water = 0.5:1:100), and seeds soaked in base fertilizer + “KEJIEJIA” diluted liquid for 15min (brown sugar: “KEJIEJIA”: water = 0.5:1:100). The results showed that the potatoes treated with “KEJIEJIA” biological humic acid liquid diluted 100 times through seeds soaking for 15min showed lowest plant height and highest yield; when treated with combined fertilizer application + seeds soaked in “KEJIEJIA” diluted liquid + “KEJIEJIA” liquid foliage dressing, best seedling emergence, largest stem thickness and highest yield were observed with the method of base fertilizer + seeds soaked in “KEJIEJIA” diluted liquid for 15min + foliage dressing (brown sugar: “KEJIEJIA” liquid: water = 0.5:1:100). The results showed that “KEJIEJIA” biological humic acid liquid could stimulate the division and growth of meristematic cells in the root systems, accelerate seedling rooting, contribute to strong potato tubers, enhance photosynthesis, quicken the transfer of nutrients to tubers, promote potato growth and tuber expansion, and increase potato yield.

We highly appreciate Mr. Ping of “KEJIEJIA” for introducing us to this excellent product. Next, we will continue to enhance cooperation by conducting diverse test studies and apply the product in the extensive cultivation of potatoes and various other crops to effectively increase both the yield and quality of potatoes and other crops.