

## **Abstract**

Yield increasing of KDML 105 in the Northeast area is the interesting problem. Especially, KDML 105 rice produced in organic system. The most important factors for organic rice production were organic fertilizers. Mostly, KDML 105 rice production potential could not increase than 500 kilogram per rai. Plant growth promoter had been alternated way to increasing rice yield. Plant growth promoter from bee product fermentation has essential nutrient and amino acid for plant growth, increasing chlorophyll and photosynthesis potential. Nitrogen fixation was investigated and can increase average yield. Plant growth promoter combined with chemical fertilizer or organic fertilizer could increase height of KDML 105 rice.

**Key words:** plant growth promoter, KDML 105, organic rice

## **ABSTRACT**

The study, "Farmer's Satisfaction Towards Amino Plant Growth Substance in Rice Farm", at Ladbuaioung District, Phra Nakorn, Si Ayutthaya Province was conducted in 2008-2009 on 175 rice farmers. Statistical analysis in the study includes percentage, mean and standard deviation. From the analysis, the study shows that rice yield after applying the amino plant growth substance at the recommended rate in company's label has significantly increased productivity by 13.50 per cent to 883 kilograms per rai compared to of 778 kilograms per rai for farms not using the amino plant growth substance. Other advantages include higher shooting rate, more grains, higher growth and higher yield. In term of farmers' satisfaction, the top 5 ranking factors stemmed from the study were 1) higher rice plant growth, 2) environment friendliness, 3) higher yield, 4) pesticide resistance and 5) less grain moisture content. The advantages derived from the study enable rice farmers using amino plant growth substance to reduce total expenditure and cost and hence generating more profit and higher income from their rice farms.

Keyword: Satisfaction, Farmer, Plant Growth Substance, Rice Farm

## **AminoProtein R&D 2551**

An AminoProtein R&D 2551 is a phytohormone activator that invented and research by Mr. Gon Sukkasem (Master Degree of Science (Agriculture)) which extracted from bee products. The principal ingredient of the AminoProtein R&D 2551 activates the generation and development of each organ that affects the growth of the plant. There is doing property dissolves physical and the physics of the mineral in the earth and the water. It has become apparent that it promotes healthy natural growth in plants, improves the content composition of crops and works to decrease the nitrate nitrogen content. It has attracted attention as a material that can deal with the various changes in the environment of present day crop cultivation. Moreover, it contains the oligosaccharide element and is expected to improve the resistance to pests as an elicitor (biophylactic element of plants). AminoProtein R&D 2551 is a physiologically active substance of pollution-free new materials which aim at improving the quality of agricultural products that do not have healthy growth, thus increasing the income.

### **Action of AminoProtein R&D 2551**

- AminoProtein R&D 2551, which is the growth regulating substance of the plants and nourishment for the plant has a synergistic effect.
- It promotes mitogenesis, nutrient absorption, survival after plantation, rhizogenesis and protein synthesis and also demonstrates a facilitators effect on the growth of rice seedlings.
- AminoProtein R&D 2551 is different from pesticides and fertilizers. It has a combination of hormone action that promotes plant growth and the amino acid which is a nutrient element of plants, leading to their synergistic effect, such as, accelerates cell division, accelerates rhizogenesis and prevents the aging of the leaf for instance, it promotes the bud formation and auxiliary bud growth.
- In case of vegetative growth type leafy vegetables (rice, corn, banana, chili, sugarcane and cassava) it fights in the first half of

growth with a central focus on basal fertilizer. They have advanced from vegetative growth to the second stage of reproduction growth by dividing into various stages such as root formation, leaf formation and advancement to gain yield.

- It is used in fruits (Tangerine, Durian, Rambutan and Longan) that have simultaneous vegetative growth and reproductive growth so that the leaves growing near the fruit can be larger.
- It is use in rubber tree that have improvement production rate in field latex and good quality of texture.
- AminoProtein R&D 2551 have helping the **growth** of **plants** and effective microbial which cause decreasing fertilizer and chemical pesticides application. It contributes to the prevention of **global warming** throughout the cropping season is based on pursing a variety which has an all together good appearance and a good quality.

Please write your email address and your inquire and we will response as soon as possible Thank you!

Mr. Gon Sukkasem

<http://www.gonsukkasem.com>