

Bio-extract from egg for Organic Vegetables Production

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The Royal Project is an intiative of



His Majesty, King Bhumibol Adulyadej of Thailand. It was founded in 1969 to solve the problem of deforestation, poverty and opium production by promoting alternative crops.



To extend and support the research and development activities of the Royal Project Foundation.



Introduction

- 1. Royal Project Foundation has extended to produce organic vegetables
- 2. Limitation of organic compost : expensive
- 3. Reduce the production cost

Objective

Increasing productivity of organic vegetables



Bio-extract from egg

Bio-extract from egg is the bio-extract mixed with Plant hormones compounds that called Plant Growth Regulators or PGRs, composed of auxins gibberellins and cytokinins all help stimulate buding, leaf and stem growth



Active ingredients:





Method



Prepared 5 kg. Molasses into the bucket



Whirling an eggs by rotation machine

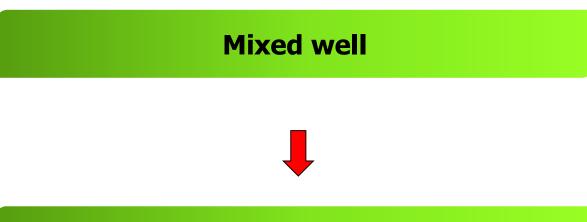


Added drinking yogurt and yeast



Method





Covered and fermented for 14 days



The Suitability rate:

> 40 ml/20 l > Spray > Spray directly on the soil

! Do not spray on flower

Preservation

> Keep in plastic bucket indoor



Analysis

Analysis List	Bio-extract from egg	
	14 Day	3 Month
Free IAA (mg/l)	5.81	0.81
Free GA3 (mg/l)	123.68	56.02
Free Cytokinins (mg/l)	0.26	0.19

1 มีค่าต่ำกว่า LOD ที่ตรวจวัดได้ (GA3 มี LOD = 0.1 μg/ml)



Effect over dose









แปลงทดสอบ





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แปลงเกษตรกร









Pointed cabbage

4%-12%







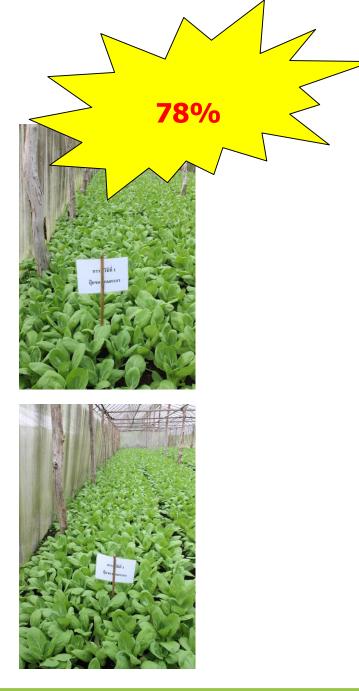






Pak-choi







Tomato





7%-35%





Mustard











Knownlage gained from the training

Grafting techniques which will be applied at work to reduce wilt diseases





Thank you for your attention

