

Abstract

Participatory Research Trial Technology of Royal Project in Vegetables Production on Highland Area were aimed to ???

เอามาจากงานสัมมนาวิจัย >>A trial landrace pumpkins and bitter gourd was joint research between Highland Research and Development Institute (Public Organization) and the World Vegetable Center (AVRDC-ESEA). The aimed to test line of pumpkin and bitter gourd appropriate on highland. Were test 2 areas was Highland Development Project Using Royal Project System Huay Kayaeng, Thong Pha Phum District, Kanchanaburi Province and Highland Development Project Using Royal Project System Huay Pao, Chiang Doa District, Chiang Mai Province. Huay Kayaeng were test 9 lines. The result showed that lines AVPU1393 AVPU1394 AVPU1502 AVPU1504 AVPU1506 AVPU1507 and AVPU1508 well growth and no disease. AVPU1502 gave highest fruit number, yield and Beta – carotene was 2 fruits/plant, 1.44 kg./plant and 3,708.59 µg/100 g fresh weight respectively. The assessment with taste, color, smelling, firmness sweetness and fruit skin pattern showed that the famers and officer like 3 lines as follow AVPU1394 AVPU1502 and AVPU1505. For Huay Poa, test pumpkins 5 lines showed that AVPU1504 line well growth, no disease and gave highest fruit number was 5 fruit/plant. AVPU1508 gave highest yield was 5.97 kg./plant and AVPU1394 gave highest Beta – carotene was 3,694.94 µg/100 g fresh weight. The assessment with taste, color, smelling, firmness, sweetness and fruit skin patter showed that the famers and officer like 2 lines was AVPU1504 and AVPU1505.

For the trial landrace bitter gourd in Huay Kayang, test 6 lines showed that AVBG 1313 gave highest yield was 31.8 kg./plant. AVBG 1324 gave highest Vitamin C was 223.98 mg./100 g fresh fruit. The famers like 3 lines as follow AVBG 1301 AVBG 1312 and AVBG 1324 because can sell in local market. For Huay Poa, test 5 lines showed that AVBG 1324 gave highest yield was 2.34 kg./plant. AVBG 1313 gave highest Vitamin C was 296.01 mg./100 g. fresh fruit. The assessment with taste, color and fruit skin pattern showed that the famers don't like because bitter than commercial line and can't sell in local market.