



TTDI

Thai Tapioca Development Institute

มูลนิธิสถาบันพัฒนามันสำปะหลังแห่งประเทศไทย

ในพระราชูปถัมภ์สมเด็จพระเทพรัตนราชสุดาฯ สยามบรมราชกุมารี

เป็นองค์การหรือสาธารณกุศล ลำดับที่ 381 ของประกาศกระทรวงการคลังฯ

### Outstanding Features, Weaknesses and Breeding History

(Item	Rayong 1	Rayong 2	Rayong 3	Rayong 5	Rayong 60
Outstanding Features	Can grow in any environment and as any time . Straight trunk . Convenient weeding and replanting	Taste is good. Suitable for consumption	High % of starch. Positively respond to fertilizer and fertile soil	High yield and high % of starch. Good germination. Adapt well with differing environment	Shorter time decoration. High yield
Weaknesses	Low% of Starch	Low% of starch. Not suitable for commercialization	Trunk is short. Difficult to care. Cuttings quickly deteriorate	Leaf blight more common, but no impact on yield	White flesh. Low% of starch
Breeding History	From indigeneous varieties. Introduced in 1975. Now not popular among growers	Mix between MCOL 113 and MCOL 113 and MCOL 22. Introduced in 1974	Cross bread between Miz 55 and Mven 307. Introduced in 1983	Cross bread between 22-77-10 and Rayong 3. Introduced in 1994	Cross breed between Mcol 1684 and Rayong 1. Introduced in 1987



## Outstanding Features, Weaknesses and Breeding History

Item	Rayong 90	Rayong 72	Kasetsart 50	Sriracha 1	Huay Bong 60
Outstanding Features	High yield. High starch content. High response to fertilizer and fertile soil.	High yield, rapid growth. Can reduce weed growth straight trunk : Easy to produce cuttings	High yield . High starch content. Germination and survival rate high	Can grow in less fertile soils.	High yield and % starch. Strong trunk. High germination. High survival rate. Resistant to spotted leaf disease.
Weaknesses	Curved trunk. Cuttings dried out quickly. Storage time short	Low 25% of starch 25% more time to dry, when converted into chips	In unsuitable environment, branching may occur Difficult to take care of plant	Low starch content . Brownish flesh	Too much branding. Difficult to take care of plant
Breeding History	Cross breed between CMC 76 and V 43. Introduced in 1991	Cross breed between Rayong 1 and Rayong 5. Introduced in 2000	Cross breed between Rayong 1 and Rayong 90. Introduced in 1992	Cross breed between MKUC 2-162 and Rayong 1	10 years of joint development effort Between KU and TTDI . Mix between Rayong 5 and KU 50 in 1991 and certified in 2003