

PUSA 1509 Vs 1121

Variety of Basmati Rice A Comparative Study Farming Perspective



1

Category	PUSA 1509 Basmati Rice	PUSA 1121 Basmati Rice
Launching Life	Planted for the first time in around 5,000 hectares in the 2013 kharif season	Launched in 2006. Exports rose from 1,792 crore to 21,604 crore in 2016-17 ✓
Maturity Time	In 115-120 days from the time of sowing in the nursery bed to harvesting the grain. ✓	140 days taken for maturing of PUSA 1121 basmati variety
Yield	25 quintals an acre ✓	20 quintals an acre
Plant Height	Plant Height of 80cm ✓	Plant height of 120cm
Fertiliser Application	Lower height enables more fertiliser application. 2-3 bags of urea can be applied in PUSA-1509 for the entire season ✓	Pusa-1121 cannot tolerate more than one bag of urea.
Irrigation Application	Saving 5-6 irrigation, helps farmers to save additional cost of water or irrigation ✓	Having more irrigation requirement due to higher maturity period.
Aroma	Higher ✓	Comparatively Lower
Fluffiness and linear elongation on cooking	Comparatively Lower	Higher ✓
Market Share	10% share	70% share ✓

Keeping all the aspects in mind, Rice Villa Research still say PUSA Basmati-1509 is more suited to farmers of Punjab as they get the chance to sow next crop in the time. Punjab is planning to shift 1.0 million in 1509 variety from around 2.9 million hectare in 1121 variety.

