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Jarak Pagar Varietas IP 3P

IP 3P Jarak Pagar Variety

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Jarak pagar (*Jatropha curcas* L.) varietas IP 3P merupakan hasil seleksi rekuren populasi IP 2P. Lama pesemaian 6 minggu, umur mulai berbunga 6 minggu setelah pemindahan (MSP) dan umur mulai panen 14 MSP.

Pada tahun I, jumlah malai sekitar 60 malai per tanaman dengan jumlah buah 500–550 buah per tanaman. Bobot buah pada kadar air 7% rata-rata 685 g per 1.000 biji.

Potensi hasil meningkat sejalan dengan bertambahnya umur tanaman. Pada tahun I, II, dan III hasilnya masing-masing 2,3–2,6 ton, 5–6 ton, dan 8–9 ton per hektar per tahun. Varietas ini beradaptasi baik pada daerah dengan curah hujan 500–2.500 mm per tahun.

Selain berproduksi tinggi, varietas IP 3P dapat ditumpangsarikan dengan tanaman lainnya dan kandungan minyaknya berkisar antara 33–36%.

Varietas unggul ini potensial dikembangkan dalam skala luas untuk mendukung ketahanan energi nasional.

The Jarak Pagar (*Jatropha curcas* L.) variety of IP 3P was selected from a population of IP 2P through recurrent selection. The age of seedlings in a nursery is 6 weeks old. The plants start flowering at 6 weeks after transplanting (WAT).

The *Jatropha* fruits were harvested 14 WAT. In the first year, about 60 bunches were produced and the number of fruits per plant were 500–550. The average weight of fruit with water content of 7% was 685 g per 1000 seeds.

The yield increases with plant age. Yield attained in the 1st, 2nd, and 3rd year were 2–3 tons, 5–6 tons and 8–9 tons/ha/year, respectively. The oil content ranged from 33–36%.

This variety is well adapted to areas with 500–2500 mm rainfall per year. In addition to high production, the 3P IP variety can be intercropped with other crops.

This improved variety IP 3P can be produced on a wide scale to support national energy security.