

PRODUCT DATA SHEET

Rice

Botanical name	Oryza sativa
Seeding rate	190-220 kg/ha
Distance between rows	15-25 cm
Sowing period	From late April to late May



Botany

- Family: Poaceae (grasses)
- Rice inflorescences are arranged into panicles comprised of small spikelets, which usually have two sterile and one fertile flower
- The fertile flower is protected by husks, with pollination taking place by wind
- Cultivated rice (*Oryza sativa*) is grown annually
- Plants grow up to 120 cm high
- The panicles (10-15 per plant) contain up to 300 grains of rice (caryopses)

Climate requirements

- Dry rice cultivation: uses a contemporary subspecies of rice that is not adapted to flooding; thus, it can be grown even in areas where paddy field cultivation is not possible
- Rice varieties grown using dry cultivation require high atmospheric humidity and prefer temperatures above 15 °C
- Water requirements are relatively high even in dry rice varieties: rainfall should not be below 800 mm during the growing season and should be evenly distributed; optimum rainfall is 1200-1500 mm

Soil requirements

- Not demanding in terms of soil quality
- Thrives in a broad pH range of 4.5-8; neutral pH of 6-7 is ideal
- Dry rice prefers heavy soils because they retain more water

Crop rotation

- Dry rice is cultivated in mixed crops together with plants such as cassava, maize and legumes
- Rice can also be cultivated with other crops in rotation

Soil preparation

- Requires loose soil with good water flow to germinate

Crop protection

- Locations with excessive weed infestation should be avoided since no herbicides are currently approved
- Careful mechanical weeding is sensible in the event of extreme weed pressure during cultivation, though young rice plants are very sensitive



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Fertilisation

▸ Nutrient removal in kg/ha in yields of 6,000 kg/ha:

	Total N	P ₂ O ₅	K ₂ O	MgO
Grain	66	41	32	5
Straw	39	18	123	11
Total	105	59	155	16

Harvest and treatment

- Harvest time: beginning in early September
- Grain yield: up to 6,000 kg/ha
- Harvest: like cereals, using combine harvester
- Subsequent drying of harvested crop required immediately after harvesting



If you have questions, please feel free to contact us!

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