



# EMBRAPA WESTERN AMAZONIA PRODUCTS AND SERVICES



Embrapa Western Amazonia : ...  
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# Technology Products

## Recommended Cultivars

### Manioc

**Cultivar Zolhudinha (IM -158):** indicated for floodplains, resistant to root rot, 6-8 month production cycle, average yield of 33 t/ha of fresh roots.

**Cultivar Mãe Joana (IM-175):** resistant to root rot, indicated for floodplains, 7-8 month production cycle, average yield of 19 t/ha of fresh roots.

**Cultivar Amazonas Embrapa 8:** indicated for floodplains, 7-8 month production cycle and average yield of 25 t/ha.

**Cultivar BRS Purus:** recommended for upland cultivation, average yield of 25 t/ha. The roots of this cultivar are conical-cylindrical in shape, with a dark brown pellicle and cream-colored pulp.

**Macaxeira Manteiga:** indicated for upland farming in Yellow Latosols, yield from 20 t/ha to 25 t/ha.

### Rice

**Cultivar Maravilha:** indicated for upland farming, average yield of 3,140 kg/ha, resistant to lodging, moderately resistant to gray leaf spot, panicle blast, brown spot, kernel spotting, and leaf scald. Short stature and fine long grain.

**Cultivar Progresso:** indicated for upland, average yield of 3,000 kg/ha, resistant to lodging, moderately resistant to gray leaf spot, panicle blast, kernel spotting, and leaf scald, moderately sensitive to brown spot. Short stature and medium-sized grain.

**Cultivar Primavera:** indicated for upland, average yield of 3,000 kg/ha, moderately resistant to kernel spotting and leaf scald and moderately susceptible to gray leaf spot, panicle blast and brown spot. High stature and fine long grains.

**Cultivar Xingu:** indicated for upland, average yield of 2,870 kg/ha, moderately resistant to gray leaf spot, panicle blast, brown spot, and kernel spotting. Long grains and high stature.

### Cowpea

**IPEAN V-69:** recommended for floodplain and upland ecosystems, average yield of 1,500 kg/ha in floodplain soils and 1,300 kg/ha in upland soils when the management and fertilizing recommendations are followed.

**BR 8 Caldeirão:** recommended for upland farming, cream-colored grain, medium to high tolerance to web blight and Southern blight, but susceptible to cowpea severe mosaic virus. Average yield of the cultivar is 700 kg/ha.

**BRS Guariba:** recommended for floodplain and upland farming; semierect growth habit. The grains are white and the average yield under upland conditions is 1,400 kg/ha and 850 kg/ha in floodplain farming.

**BRS Nova Era:** recommended for upland and floodplain cultivation; semierect growth habit. The grains are white and the average yields are 1.100 kg/ha and 900 kg/ha under upland and floodplain conditions, respectively.

**BRS Xique-Xique:** recommended for upland and floodplain, semiprostrate growth habit. The grains are white and the average yields are 900 kg/ha and 800 kg/ha under upland and floodplain conditions, respectively.

### **Cultivars recommended for areas with anthracnose prevalence**

**BRS Amazonas:** average yield of 1.5 kg of dry seeds/plant/year.

**BRS CG648:** average yield of 1 kg of dry seeds/plant/year.

**BRS CG612:** average yield of 1.1 kg of dry seeds/plant/year, beginning in the third year.

**BRS CG 882:** average yield of 1.1 kg of dry seeds/plant/year, beginning in the third year.

**BRS CG 611:** average yield of 1.4 kg of dry seeds/plant/year, beginning in the third year.

**BRS Maués:** average yield of 1.5 kg of dry seeds/plant/year, beginning in the third year.

**BRS Andirá:** average yield of 1.4 kg of dry seeds/plant/year, beginning in the third year.

**BRS Mundurucânia:** average yield of 1.4 kg of dry seeds/plant/year, beginning in the third year.

**BRS Cereçaporanga:** average yield of 1.3 kg of dry seeds/plant/year, beginning in the third year.

**BRS Luzéia:** average yield of 1.6 kg of dry seeds/plant/year, beginning in the third year.

**BRS Saterê:** yield varies from 1.0kg to 1.5 kg of dry seeds/plant/year, beginning in the third year.

**BRS Marabitana:** yield varies from 1.0kg to 1.5 kg of dry seeds/plant/year, beginning in the third year.

### **Cultivars recommended for areas with zero anthracnose prevalence**

**BRS CG 37:** average yield of 1.5 kg of dry seeds/plant/year, beginning in the third year.

**BRS CG 189:** average yield of 1.0 kg of dry seeds/plant/year, beginning in the third year.

**BRS CG 505:** average yield of 1.1 kg of dry seeds/plant/year, beginning in the third year.

**BRS CG 610:** average yield of 1.1 kg of dry seeds/plant/year, beginning in the third year.

**BRS CG 850:** average yield of 1.4 kg of dry seeds/plant/year, beginning in the third year.

**BRS CG 608:** average yield of 1.5 kg of dry seeds/plant/year, beginning in the third year.

### **Cupuaçu**

**Cultivars BRS 227; BRS 228; BRS 229; BRS 311; BRS 31:** tolerant to witches' broom; average yield of 7,000 units/ha, very much above the average yield for the State of Amazonas (1,880 units/ha).

### **African oil palm**

**BRS C2001, BRS C2301, BRS 2328, BRS C2501, BRS C2538, BRS C3701 and**

**BRS C7201:** cultivars of *tenera* type African oil palm, recommended for planting in humid tropical regions, with average trunk growth of 45 cm/year and yield of 4-6 tons of oil/hectare/year in commercial plantations.

**BRS Manicoré:** interspecific hybrid of *Elaeis guineensis* X *Elaeis Oleifera*, resistant to lethal yellowing, average yield of 3 tons of oil/hectare/year, in commercial plantations; higher resistance to pests and diseases, better quality oil (more unsaturated) and less vertical growth, an average of 15 cm/year, which helps reduce harvest costs and increase the commercial exploitation period of the palm stand.

### **Banana**

**BRS Prata Garantida:** high stature, average yield of 21 t/ha in the first cycle, averages 8 hands/bunch, highly resistant to finger drop, resistant to black sigatoka, yellow sigatoka and Panama disease and susceptible to moko disease, the root borer weevil and nematodes.

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**BRS Prata Caprichosa:** high stature, average yield of 28 t/ha in the first cycle, highly resistant to finger drop, averages 7 hands/bunch; resistant to black sigatoka, yellow sigatoka and Panama disease; susceptible to moko disease and moderately resistant to the root borer weevil and nematodes.

**Prata Ken:** high stature, average yield of 23 t/ha in the first cycle, highly resistant to finger drop, averages 7 hands/bunch; resistant to black sigatoka, yellow sigatoka and Panama disease; susceptible to moko disease, the root borer weevil and nematodes.

**BRS Conquista:** first banana cultivar protected in Brazil, high stature, average yield of 48 t/ha in the first cycle, highly resistant to finger drop, averages 13 hands/bunch; resistant to black sigatoka, yellow sigatoka, Panama disease, and the root borer weevil; susceptible to moko disease; small preference for nematodes.

## Commercial African oil palm seeds

The Amazonia Business Office/ Embrapa Technology Transfer sells pregerminated seeds of the African oil palm cultivars developed by Embrapa Western Amazonia.

## Guarana stems

Embrapa Western Amazonia has clonal gardens of the released guarana cultivars and sells stems for plantlet production through the Amazonia Business Office/ Embrapa Technology Transfer.

## Services

**Soil fertility analyses:** pH; organic carbon; organic matter; P; K; Na; Ca; Mg; Fe; Zn; Mn; Cu; Al or exchangeable acidity; H + Al or potential acidity; total cations; effective cation exchange capacity; cation exchange capacity at pH 7.0; base saturation index; aluminum saturation index.

**Soil physical analyses:** clay dispersed in water; moisture; soil density; particle density; macro and microporosity; soil water retention curve; hydraulic conductivity and soil aggregate stability.

**Analyses to determine the nutritional status of plants:** N; P; K; Ca; Mg; Fe; Zn; Mn; Cu; B; Cl; and Na.

**Corrective Analyses:** CaO, MgO, neutralizing power; and PRNT.

**Fertilizer Analyses:** N, P and K.

**For purchasing oil palm germinated seeds and guarana propagules, please contact**

**Amazonia Business Office/ Embrapa Technology Transfer**

Rodovia AM 010 Km 29 (Manaus-Itacoatiara)

CEP 69011-970 Manaus-Amazonas-Brazil

Phone: (92) 3303-7897 / 3303-7882

[vendas.ena@cpaa.embrapa.br](mailto:vendas.ena@cpaa.embrapa.br)



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***Western Amazonia***

***Rodovia AM 010, Km 29 (Manaus-Itacoatiara)***

***Caixa Postal 319***

***CEP 69010-970 Manaus-Amazonas-Brazil***

***Phone: (92) 3303-7800***

***Fax: (92) 3303-7820 / 3303-7817***

***[www.cpa.embrapa.br](http://www.cpa.embrapa.br)***

***[sac@cpaa.embrapa.br](mailto:sac@cpaa.embrapa.br)***