



Apple 'Monta'

A disease resistant late apple for cool climate with good market quality.

Cross: 'Iedzenu' x 'Liberty', selected from hybrids of breeder R.Dumbravs. Breeder's rights: Institute of Horticulture, Latvia. Cultivar application: 2012 (LV Nr.12004).

Harvest time: medium to late, with 'Spartan', 1 week before 'Golden Delicious'.

Storage (common storage at 2...3°C): 6-7 months. Fruits may need 2-3 months of storage before reaching eating maturity.

Fruits: medium to large, obloid conical, slightly ribbed. Over colour red to dark red, to 100%. Flesh firm, crisp, juicy, subacid with weak aroma, flavour good.

Quality at harvest: Brix 12.5 %, firmness 8.4 kg/cm², starch index 3..5 (of 10).

Quality at eating maturity: Brix 13-14 % , titrable acidity 0.5-0.7 %, firmness 6-7 kg/cm², high total polyphenols - 170 mg/100g.

Tree: vigorous, spreading, branching medium; some bare wood. Productivity good. Annual yields, but less regular when trees reach full production.

Flowering time medium. Possible pollinators: 'Alwa', 'Spartan'.

Resistances: Scab: resistant (Vf/Rvi6 + polygenic). Mildew, fruit rots, *Nectria* and other cankers: field resistant. No storage diseases observed, but calyx cracking is possible in some years causing core mould.

Spring frost resistance is good. Winter-hardiness at the level of 'Spartan', needs a rather long growing season.

Recommended rootstocks: dwarfing and super-dwarfing (M9, B9, B396 etc.)

Training: easy, but may develop some bare wood.