

# Variety sheet

## MC 38 Crimson Snow®

### Origin

Chance seedling



### Synonyms

n. a.

### Agronomic Profile

**Flowering:** late, diploid

**Vigour:** medium

**Susceptibility:** n. a.

**Productivity:** Productivity medium, neigt nicht zu Alternanz, no preharvest fruit drop

**Harvest time:** 6-8 Week after Golden Delicious

### Fruit

**Size and shape:** very large, rectangular

**Ground and overcolour:** Ground colour green; Overcolour dark red, compact, mottled; extremely high (100%)

**Susceptibility to russetting:** low rustiness in the calyx/eye basin and/or in the stalk cavity(<5%)

**Firmness of the pulp:** 6,3-8,1 kg/cm<sup>2</sup> at harvest

**Tendency to browning of pulp:** medium oxidation

**Sugar content:** 12,7-14,7 °Brix at harvest

**Acid content:** 5,6-6,4 g/L MA at harvest

**Specific weight:** 0,81

**Total content of Polyphenols<sup>1</sup>:** in the peel: 338,2 ± 16,7 mg Catechin/ 100 g FW; in the pulp: 102,9 ± 4,6 mg Catechin/ 100 g FW

**TAC<sup>1</sup>:** in the peel: 478,0 ± 44 mg Trolox/ 100 g FW; in the pulp: 164 ± 4,9 mg Trolox/ 100 g FW

1 - after two months of normal cool storage  
2 - only for red fleshed varieties

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**Content of Anthocyanin<sup>2</sup>:** n. a.

**Vitamin C<sup>1</sup>:** in the peel:  $56,0 \pm 3,2$  mg/100 g FW; in the pulp:  $9,0 \pm 0,6$  mg/100 g FW

**Pectin<sup>1</sup>:** in the pulp:  $2 \pm 0,5$  g/100g FW

**Flavour:** n. a.

**Storage:** in cool store up to 3 Months

**Characteristics:** n. a.

## Juice production

**Yield:** yield low

**Stability of the colour:** strong oxidation after juice production

**Sugar content:** 11,9 °Brix

**Acid content:** 4,1 g/L MA

**pH:** 3,61

**Total content of Polyphenols:**  $25,2 \pm 1,0$  mg Catechin/100 mL juice

**TAC:**  $43,4 \pm 0,6$  mg Trolox/100 mL juice

**Content of Anthocyanin<sup>2</sup>:** n. a.

**Vitamin C:**  $1,47 \pm 0,01$  mg/L juice

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