Flesh Colour



EMPIRE

Origin	New York State Agricultural Experiment Station, Geneva, New York, 1966.
Parentage	McIntosh x unknown (Probably Red Delicious).
Availability	Mid October to April or later.
Source	Available from most commercial nurseries.
Quality	Sprightly tang, nice sweet to acid balance. Very crisp, firm, juicy, fairly distinctive.

Fruit:	
Size	Medium to small, very uniform. Needs a combination of good nutrition, proper pruning and adequate spray thinning followed by hand culling if a high proportion are to be over 2½" diameter. Pruning should assure good light penetration with removal of weak spurs and/or entire coverage limbs; thinning to singles is a must.
Surface	Smooth, has a waxy bloom, will take a high polish.
Ground Colour	Greenish yellow.
Over Colour	Well coloured, somewhat striped to full dark red on the exposed cheek.

Creamy white, may have a greenish tinge.

Harvest

Late September to early October.

Season **Storage**

October to December in cold, to June or later in Controlled Atmosphere.

Strains

Several are known - Crown, Royal, Thome.

Tree:

Vigour Moderate.

Rather spreading, fairly spurry, somewhat dense. **Habit**

Precocity

Bears early.

Fruit Placement On spurs and shoots.

Bloom Period

Mid season.

Pollination

By other mid season diploids. Somewhat sensitive to blossom frosts.

Nutrition

Requires good nutrition. Heavy cropping may induce potassium deficiency.

Crop

Bears well and not too difficult to keep from becoming biennial.

Synchrony

Spot picking does not appear necessary unless to adjust fruit sizes.

Adaptation

It does well in New York State and in Ontario which have longer and warmer

summers than Nova Scotia.

Disease

Susceptible to scab, slightly susceptible to powdery mildew, juniper rust: high

Reaction

storage CO₂ may induce scald-like surface browning.

Insect Reaction

Nothing of note.

Rootstock

Intensive culture with selected dwarf/semi-dwarf rootstocks is a distinct possibility; this would improve fruit size and the tree type is suitable.

Comments:

Empire and Spartan fit into the same market niche but will require more management skill to produce a high percentage of export sized fruit.