MALLING™ Vitality

Early-mid season June-bearer with high potential of Class 1 yield, consistent fruit quality, good disease resistance.

Disease profile*:

HR

Crown Rot (Phytophthora Cactorum) Powdery Mildew (Phodosphaera aphanis)

*HR = High Resistance. IR = Intermediate Resistance.

FEATURES, ADVANTAGES & BENEFITS

FEATURES

- Early-mid season
- Very good % Class 1 yield
- Attractive fruit with uniform skin colour
- Robust against disease
- Good fruit display
- Good fruit firmness

ADVANTAGES

- Meeting season demand due to production predictability
- Less sorting, less waste
- Attractive berries
- Lower pest and disease risk
- Well presented for fast picking
- Good shelf-life



BENEFITS

- Profitability
- Repeat purchase
- Potentially less residue
- Reduced harvest costs
- Longer storage period





AGRONOMIC AND CROPPING TIPS

Advice based on current knowledge of the variety

Environment:

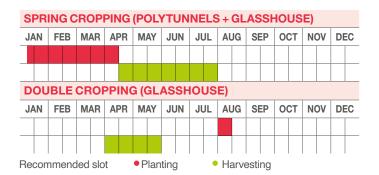
• Polytunnels (soil or substrate), Open Field

Season:

Spring

Geo-zones:

 Recommended in: UK& Ireland, N France, Germany, Poland, Benelux
 For any other regions please consult Bayer.



Specific advices:

- Plant Density: For optimal yield, use tray plants at a density of 8-10 plants per linear meter in tunnel production.
- Irrigation and Fertilization: Monitor and manage pH levels and EC levels in both substrate and drain water to ensure nutrient availability.
- Harvest Timing: For forced cropping in susbtrate, plant tray plants in early January to achieve early production, starting from late April to early May.
- Cultural Practices: Utilize truss supports in tabletop production to prevent trusses from kinking, which can affect fruit quality. Conduct regular crop inspections to manage humidity levels and prevent disease, especially in polytunnel conditions.

FRUIT CHARACTERISTICS







Figure 1. Head-to-head comparison of fruit quality of Malling™ Vitality compared to reference STR22, from a production trial using tray plants grown in coir substrate under protection in Belgium.

Source: PCH, Belgium

TECHNICAL DEPARTMENT TRIAL RESULTS

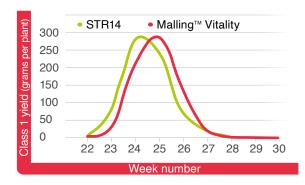


Figure 2. Cropping profiles of Malling™ Vitality and reference Malling™ Centenary in tunneled soil production trials at NIAB EMR, where Malling™ Vitality is 4–5 days earlier than Malling™ Centenary

Table 1. Malling™ Vitality - yield, fruit size and quality assessments from external trials 2020 (60-day crop, tray plants, tunnelled tabletops)

Trial location	Class 1 yeld (g/plant)	Class 1%	Berry weight (g)	Brix (°)	Appearance (1-5)	Skin firmness (1-5)	Flesh firmness (1-5)	Flavour (1-5)
1	595	99	28.4	9.6	4	3.2	3.4	4
2	471	97	25.2	8.8	5	5	5	3.9

Appearnace, firmeness, flavour on 1-5 scale where 1 = poor and 5 = excellent.

