

SOPRANO

SPUNTA x CMK1990-002-002



Building on potential

Added value of the variety

Variety suitable for french fries and table potato.
Uniform tuber size with high marketable yield.
Excellent taste, texture and cooking quality.
Washable and attractive skin.

Characteristics

| | | |
|-------------------------------|--------|--|
| Shape of tuber | LO | |
| Av. Tuber length (Ø 50-60 mm) | 9,0 cm | |
| Maturity (9=early, 4=late) | 7,3 | |
| Colour of skin | Y | |
| Colour of flesh | 6,6 | |
| Suitability for cooking | 8 AB | |

Soil adaptability

| | Sandy | Light | Heavy |
|-------------------|-------|-------|-------|
| Yield (Relative) | 95 | 90 | 85 |
| DM (%) | 17,2 | 19,8 | 19,9 |
| UWW | 309 | 361 | 365 |
| Tuber size (Ø mm) | 51 | 54 | 56 |

| | | |
|--------------|----------|--|
| Ro1 | 2 | |
| Ro2/3 | | |
| Ro5 | | |
| Pa2 | | |
| Pa3 | | |
| wz 1 (D1) | 8 | |
| wz 2 (G1) | | |
| wz 6 (O1) | 6 | |
| wz 18 (T1) | | |
| TRV | | |
| Moptop virus | Tolerant | |

Climate adaptability

| | |
|-------------------|-------------|
| Drought tolerance | Susceptible |
| Secondary growth | 7 |

Fertiliser requirement

| | N | P | K | Mg | B | Ca | Mn |
|------------------|----------|----------|----------|-------------|----------|----------|----------|
| Quantity | Standard | Standard | Standard | High (+25%) | Standard | Standard | Standard |
| No. applications | 1 | 1 | 1 | 6 | 1 | 1 | 1 |

Chemical requirement

| | |
|---------------------------|--------------------|
| Foliar late blight | 3 |
| Tuber late blight | Rather susceptible |
| Early blight | Rather tolerant |
| Y-virus | 6 |
| Yntn-virus | 7 |
| Leafroll virus | Susceptible |
| Black dot | Susceptible |
| Silver scurf | Rather tolerant |
| Metribuzin pre-emergence | Tolerant |
| Metribuzin post-emergence | Tolerant |

Storability

| | |
|-------------------------------------|--------------------|
| Dormancy* (2=short; 8=long) | 4,1 |
| Pressure spots | Rather susceptible |
| Fusarium | 7 |
| Frying/crisping colour in October* | 6,8 |
| Frying/crisping colour in February* | 5,5 |
| Frying/crisping colour in May* | 5,7 |

*Potatoes stored at 8°C without sprout inhibitors

Marketable yield

| | |
|-----------------------|-----------------|
| Bruising index (0-50) | 10 |
| Washability | 7 |
| Common scab | 6 |
| Powdery scab | |
| % IRS | 0 |
| % Hollow heart | 0 |
| Mechanical Damage | Rather tolerant |

SOPRANO



Planting

Before planting keep the seed quiet; plant them out of cold storage.

Don't de-sprout the seeds before planting.

Do not cultivate on soils prone to common scab.

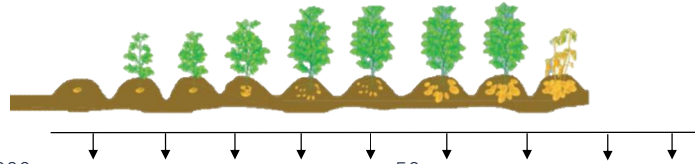
Only grow on fields that can be irrigated.

| Size | 75 cm | 90 cm | Plant/ha |
|-------|-------|-------|----------|
| 28/35 | 30 cm | 25 cm | 44400 |
| 35/45 | 34 cm | 28 cm | 39200 |
| 45/55 | 41 cm | 34 cm | 32500 |
| 35/55 | 40 cm | 33 cm | 33300 |
| 55/60 | 43 cm | 36 cm | 31000 |
| 60 + | 44 cm | 37 cm | 30300 |



Fertiliser input (kg/ha):

Depending on the soil supply and applicable national legislation; total amount required by the variety.



| | | | | |
|------------|----------------------------------|-----|----|-----|
| Nitrogen: | (N) | 200 | 50 | 250 |
| Phosphate: | (P ₂ O ₅) | 110 | | 110 |
| Potassium: | (K ₂ O) | 300 | | 300 |

To prevent mineral deficiencies, apply these elements in time (B, Mg, Mn, Ca)



Crop protection

Variety susceptible to foliar late blight, do not neglect blight control.

Irrigation will help for a good tuberset and a good skin quality.



Harvest and storage

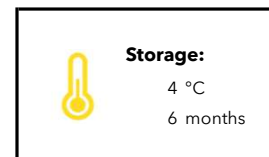
Reduce irrigation before haulm killing to allow lenticel to close.

The tuber bulking takes place during foliar senescence.

After harvest, start immediately drying the crop in store.

Short dormancy; after harvest and wound healing cool down quickly,

keep the temperature stable and start with sprout control.



Key advice to succeed this variety:

Before planting keep the seed quiet; plant them out of cold storage.

Don't de-sprout the seeds before planting.

Do not cultivate on soils prone to common scab.

Reduce irrigation before haulm killing to allow lenticel to close.

Avoid
desprouting
before
planting

