

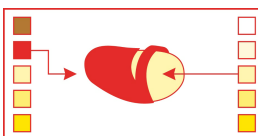
# MEMPHIS

MUH 92- 13 X MUH 91- 13



## General production advice ware potatoes

- \* **Big size tubers**
- \* **Good yield**
- \* **Suitable for second (autumn/winter) crop**
- \* **Good tolerance to dry circumstances**
- \* **Good resistance package**



### Characteristics

|                           |                         |
|---------------------------|-------------------------|
| Cooking type              | AB - Slightly firm      |
| Maturity                  | 66 Medium early         |
| Yield mature              | 110 High                |
| Tuber size                | 83 Large                |
| Tuber shape               | Oval / Long oval        |
| Number of tubers          | 12-14                   |
| Flesh after cooking       | Light yellow            |
| Skin colour               | Red                     |
| Dormancy period           | 62 Medium               |
| Emergence                 | 70 Normal               |
| Metribuzin sensitivity    | 80 Moderately sensitive |
| Foliage development       | 75 Strong               |
| Internal bruising         | 7 Little sensitive      |
| Little Potato disorder    | 34 Sensitive            |
| Dry matter content/Starch | 19,2% / 13,3%           |
| UWW / Specific gravity    | 349 / 1,074             |

|                      |                         |
|----------------------|-------------------------|
| Spraying             | 96 Highly resistant     |
| Foliage Blight       | 52 Susceptible          |
| Tuber Blight         | 63 Susceptible          |
| Common scab          | 65 Slightly susceptible |
| Powdery scab         | 66 Slightly susceptible |
| PVY                  | 33 Very susceptible     |
| Yntn tuber tolerance | 98 Tolerant             |

|                |       |     |       |          |          |
|----------------|-------|-----|-------|----------|----------|
| PCN Resistance | Type  | Ro1 | Ro2/3 | Pa2      | Pa3      |
|                | Value | 9   | 4     | <u>5</u> | <u>1</u> |
| Wart disease   | Fysio | F1  | F2    | F6       | F18      |
|                | Value | 9   | 3     | <u>1</u> | <u>1</u> |

*Italic: own analysis/no official analysis*

### Plant populations

| Seed size | Plant population/ha | Row distance |       |
|-----------|---------------------|--------------|-------|
|           |                     | 75 cm        | 90 cm |
| -28/35    | 47.500              | 28           | 23    |
| -35/50    | 42.000              | 32           | 26    |
| -50/60    | 38.000              | 35           | 29    |

- Plant a little above ground level, tubers grow deep in the ridge.

### Fertilizer

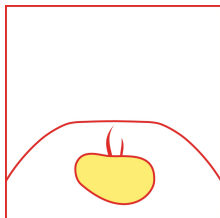
- Adapt fertilization to soil analysis.
- Nitrogen (N): 220 kg N/ha inclusive of soil supply.
- Potassium and phosphate fertilization as standard advice.

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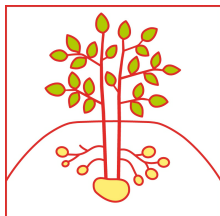
## General production advice ware potatoes

### Pre-treatment and planting



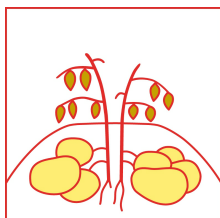
- MEMPHIS has a medium dormancy.
- A heat treatment is preferred to break the dormancy.
- If an apical sprout is present, remove it and plant with small white buds.
- De-sprouting will increase the risk of little potato disorder.
- The variety has a slight susceptibility to little potato disorder, avoid planting in cold soil.
- MEMPHIS can be grown on all soil types, also in conditions where limited water is available.

### Growing attention points



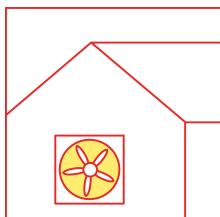
- Emergence is somewhat slow, later on foliage develops well.
- MEMPHIS has a good tolerance to metribuzin (Sencor).
- MEMPHIS has a good drought resistance.
- Too much irrigation late in the season increases the dominance of lenticels.
- Use a robust Phytophthora programme, to prevent foliage blight.
- Preventive spraying against Phytophthora is advised.

### Haulm killing and harvest



- Haulm killing needs attention especially at high nitrogen levels.
- Pay attention, the tubers grow fast in size.
- The skin should be fully set before harvest.
- Prevent mechanical damage to improve storability.
- Mother tubers can stay vital long time, take care at harvest to prevent contaminations of infections.

### Storage



- MEMPHIS is suitable for long term storage.
- Take care of the wound healing period.
- A treatment with imazalil against storage diseases is advised.
- Don't store too cold.