

Fontane.



(AGRIA x AR 76-034-03)

Market Outlet:
Chipping, Processing
& Table

General

Fontane is a high yielding multi-purpose variety with a yellow skin and pale yellow flesh. The tubers are oval to long oval and achieve good size with shallow eyes. Tuber numbers are good, with uniform size. A high dry matter variety with floury cooking qualities, Fontane is well established as a processing variety, very suitable for making chips and french fries. It is also used extensively for reconstituted products such as mash or flakes. With a low sugar content, only very low levels of Acrylamide can be detected after processing. For more information on acrylamide see: www.acrylamidefacts.org

Maturity

Maincrop

Cultivation

Pre-sprouting (chitting) is not necessary. The optimum planting interval using tuber sizes between 35/55mm is about 32cm or (40,000 plants per Ha). Use of Metribuzin (eg. Sencorex) often gives a discolouration of the leaf but is not considered a negative influence on yield. Fontane produces a good canopy but has a tendency to fall over if subjected to strong winds during early development - canopy closure is however generally good. Fontane is moderately susceptible to harvest damage and bruising. It is also susceptible to Common Scab, but can be cultivated on all soil types, especially on lighter soils because of its resistance to Spraing.

Fertiliser Treatment Suggestions

Fontane likes to be fed and it is recommended that extra Potassium (K_2O) is applied which will also have the positive effect of decreasing the dry matter and reduce the susceptibility to bruising.

Storage

Fontane can be stored for extended periods and is not prone to breaking dormancy early if stored at 7°C. Sprout inhibitors can have some negative effects on the skin and should be avoided for packing samples.

Resistance

Fontane can be susceptible to Common Scab and Late Blight. The resistance to Spraing, Virus Yntn, Virus Yn and Virus X is good. Fontane is resistant to PCN Ro1 & 4. The score for Wart Disease fysio 1 is 6, and for fysio 6 is 7 (scoring 1 = low / poor, 9 = high / excellent).

Agronomic Information

Scoring (1= low / poor, 9= high / excellent)

Average Yield

8

Disease Resistance

Quality

Tuber Shape	Oval
Uniformity of shape	7.5
Eye Depth	7
Skin Colour	Yellow
Flesh Colour	Pale Yellow
Dry Matter (%)	22.7

Foliage Blight	3
Tuber Blight	5
Alternaria (Early Blight)	
Common Scab	5
Powdery Scab	6
Virus Y	5
Virus Yntn	6
Virus A	
Virus X	7
Spraing	8
Silver Scurf	5
Fusarium (Dry Rot)	6
PCN—Ro1	Resistant
PCN—Pallida	Susceptible
Wart Disease (1)	6
Leaf Roll Virus	6
Blackleg	4

Agronomy

Dormancy	8
Foliage Maturity	5.5
Tuber Number (score)	8
Resistance to damage	6
Resistance to bruising	4
Secondary Growth	8
Flower Colour	White

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