

## Next Generation

## Beyonce.

An early maincrop crisping variety with a good dry matter content, suitable for medium term storage and late blight resistance in foliage and tuber.

- ▶ Large tubers
- ▶ Good dormancy
- ▶ Quite high tuberisation



## MARKET SEGMENT

**O**  
Organic  
cultivation

**P**  
Processing  
Flakes, Crisps

## CHARACTERISTICS

**General characteristics**

**Breeder:** Agrico Research B.V.  
**Crossing:** AR 94-2061 x LADY JO  
**Seedling:** AR 08-3271  
**Breeder rights:** 31-12-2049

**Plant and tuber characteristics**

**Maturity:** early maincrop / 6  
**Light sprout colour:** blue violet  
**Flower colour:** purple  
**Number of berries:** none / 4  
**Foliage: - initial development:** quite fast / 7,5  
**Foliage: - final development:** good / 8  
**Foliage: - selectability:** average / 6,5  
**Foliage: - plant firmness:** quite firm / 7,5

**Flesh colour:** light yellow / 6,5  
**Skin colour:** yellow  
**Skin finish:** below average / 5,5  
**Tuber size:** quite large / 7,5  
**Tuber shape:** oval round  
**Regularity of tuber shape:** quite regular / 6,5  
**Tuberisation:** quite high / 7  
**Regularity size:** regular / 7

**Sensitivity and quality**

**Dormancy:** quite long / 7  
**Metribuzin:** slightly sensitive / 7,5  
**Bentazon:** slightly to not sensitive / 8  
**Ethylene:** 5% fewer to 5% more tubers / 5

**Secondary growth:** quite sensitive / 6  
**Growth cracks:** quite sensitive / 6,5  
**Black spot (internal bruising):** slightly sensitive / 7,5  
**Harvest damage:** quite sensitive / 6

**Underwater weight:** 446  
**Dry matter content:** 23,9%  
**Dry matter distribution:** average / 6,5  
**TGA - level:** 6,5

**Crisping quality:** excellent / 8  
**Fries quality:** good / 7  
**Cooking type:** floury / BC  
**Raw discolouration:** slightly to not sensitive / 8  
**Discolouration after cooking:** slightly sensitive / 7



[www.agrico.nl/en/beyonce](http://www.agrico.nl/en/beyonce)

# HOW TO GROW

## Fertilization<sup>1</sup>

**Nitrogen:** standard advice.

**Phosphate:** standard advice.

**Potassium:** standard advice + 25%.

<sup>1</sup> Level of fertilization is based on soil analysis

## Seed treatment

Desprouting can have a negative impact on yield and size regularity. Can be planted directly out of the cold store, preferably after a short heat shock.

## Planting distance

28/35 mm: 22-24 cm (58,000 plants/ha)

35/55 mm: 26-28 cm (50,000 plants/ha)

## Weeds

After emerge, a standard use of metribuzin (Sencor) doesn't give foliage reaction or yield reduction.

## Fungicides

Despite the late blight resistance, remain alert for infections.

## Harvest

Due to its sensitivity scores for black spot and/or harvest damage, wait at least two weeks after haulm killing before harvest.

## Storage

For processing purposes, do not store below 9 °C. Suitable for medium term storage.



Say potato,  
say **Agrico.**

## Resistances

**Golden nematode Ro 1/4:** susceptible / 4

**Golden nematode Ro 2/3:** - / -

**White nematode Pa 2:** - / -

**White nematode Pa 3:** - / -

**Late blight-foliage:** slightly to not susceptible / 8,5

**Late blight-tuber:** slightly susceptible / 7,5

**Common scab:** susceptible / 5,5

**Powdery scab:** slightly susceptible / 6

**Fusarium:** slightly susceptible / 7,5

**Erwinia:** - / -

**Black dot:** slightly susceptible / 7,5

**Spraing:** slightly susceptible / 6

**Virus - Leaf Roll:** - / -

**Virus - A:** - / -

**Virus - X:** - / -

**Virus - Yn:** susceptible / 5,5

**Virus - Yntn:** susceptible / 5

**Wart disease F1:** - / -

**Wart disease F6:** - / -

**Wart disease F18:** - / -