

# Carolus.



(AGRIA x AR 00-9417)

**Market Outlet:**  
Table, Chipping, Export  
& Organic

## General

Carolus is an attractive parti-coloured blight resistant variety with light yellow flesh colour. Tubers are uniformly oval in shape. Carolus has a slightly floury texture once cooked, with an excellent flavour. It is very suitable for boiling, mashing and makes superb roast potatoes. As it has a reasonably high dry matter, it is also good for home frying. Carolus can be grown on most soil types but does prefer irrigation. It is suitable for both organic and conventional production in East and North Eastern Europe, and Mediterranean countries.

## Maturity

Maincrop

## Cultivation

A short heat shock or pre-sprouting (chitting) gives the best results with Carolus. Do not remove sprouts as this can have a negative impact upon yield and regularity of size. Only plant if the soil has warmed slightly as Carolus has a somewhat slow initial development. Planting distance for tuber size 35/55mm is 30cm (45,000 plants per Ha). Use of Metribuzin (eg. Sencorex) is not recommended as it gives a severe foliage reaction and some yield reduction. Carolus is moderately susceptible to Common Scab therefore it is recommended to grow Carolus on heavier soils and avoid very light sandy fields. Wait at least 3 weeks after haulm killing before harvesting to allow for a good skin set as Carolus can be susceptible to harvest damage and bruising.

## Fertiliser Treatment Suggestions

Nitrogen application is recommended at slightly less than standard (approx -10%), however a small second application between tuber initiation and the crop canopy closing, may help to increase tuber numbers and reduce the dry matter enough to avoid the possibility of bruising as Carolus can be susceptible to this problem. It is advised to give Carolus an extra 100Kg of potassium per hectare compared to other varieties. Additional potassium should be applied shortly after planting or before flowering. The recommendation for Phosphate is standard.

## Storage

Carolus is quite dormant and can be stored for long periods at 5°C.

## Resistance

Carolus is resistant to both foliage and tuber blight and does not readily suffer with secondary growth. Resistance to Virus Yn is very good and the variety has moderate resistance to Blackleg. Common Scab may be an issue on some soils.

# Agronomic Information

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

**Average Yield** 7

**Disease Resistance**

## Quality

Tuber Shape	Oval
Uniformity of shape	7
Eye Depth	8
Skin Colour	Parti-Coloured
Flesh Colour	Yellow
Dry Matter (%)	21

Foliage Blight	9
Tuber Blight	9
Alternaria (Early Blight)	
Common Scab	4
Powdery Scab	5
Virus Y	8
Virus Yntn	7

## Agronomy

Dormancy	7
Foliage Maturity	7
Tuber Number (score)	7
Resistance to damage	5.5
Resistance to bruising	6
Secondary Growth	7
Flower Colour	Violet

Virus A	
Virus X	6.5
Spraing	6
Silver Scurf	
Fusarium (Dry Rot)	6
PCN—Ro1 & 4	Susceptible
PCN—Pallida	Susceptible
Wart Disease (1)	Resistant
Leaf Roll Virus	
Blackleg	6

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