

**Animal and Plant Health Agency**

## **Certification scheme fruit plants**

### **Explanatory guide to raspberries (Rubus)**

#### **Approved Health (AH) grade**

**January 2022**

#### **Contents**

1. Applications .....	1
2. Labelling .....	1
3. Soil sampling .....	1
4. Control of diseases .....	1
5. Roguing .....	1
6. Gapping up .....	2
7. Number of inspections .....	2
8. Validity of certificates .....	2
9. Isolation distances for field and glasshouse grown material .....	2
10. Proximity to aphid proof gauze house production .....	3
11. Inspection tolerances .....	3

The Nuclear Stock Association Approved Health (AH) grade applies to *Fragaria*, *Rubus* and *Ribes* in England and Wales only. The AH grade field standards have been derived from the pest and disease standards set out for the Fruit Propagation Certification Scheme (FPCS) 'Certified' grade and the former Plant Health Propagation Scheme (PHPS) standards.

Plant material entered at AH grade will be inspected for health and vigour only, and not for trueness to type.

Any registered variety, including varieties that have been derived from virus indexed material can be entered at AH grade. This includes varieties that are registered and awaiting Distinct, Uniform and Stability (DUS) testing. Such varieties must be entered with the prefix P-DUS on the application form and can only be marketed at CAC grade (Conformitas Agraria Communitatis)

## 1. Applications

Applications for entry of material to be submitted through the approved administrator the Nuclear Stock Association Limited. Visit <http://nsa-plants.co.uk>

## 2. Labelling

The label must not be the colour of officially certified material under the Fruit Propagation Certification Scheme. Pink would be acceptable.

## 3. Soil sampling

Not required

## 4. Control of diseases

Fungicide treatments that could mask symptoms of fungal diseases are not to be encouraged.

## 5. Roguing

Limited roguing is permissible after inspection with prior approval of the APHA Plant Health Inspector. Records must be kept and made available of stocks rogued, the reason for roguing and the numbers of plants removed.

## 6. Gapping up

Gapping up is permissible providing that the material used is eligible and prior approval from APHA Plant Health has been obtained. Growers must keep records and make them available if requested to do so.

## 7. Number of inspections

Approved Health will receive one inspection during the growing season. This will be between the end of July to mid-August.

## 8. Validity of certificates

Harvested canes or root from Approved- Health including those subsequently potted up, may be describes as 'approved' until 31 May in the year after certification.

## 9. Isolation distances for field and glasshouse grown material

Stocks entered must be isolated by at least the distances shown (metres)

The isolation distances for varieties of the same grade in glasshouses can be reduced at the discretion of APHA Plant Health Inspectors.

	Basic 1	Basic 2	Certified	Approved-Health	CAC	Fruiting
Basic 1	4	4	100	400	400	400
Basic 2	4	4	4	400	400	400
Certified	100	4	4	400	400	400
Approved Health	400	400	400	4	100	100
CAC	400	400	400	100	1	100
Fruiting	400	400	400	100	100	0

For field grown material bed widths must not exceed 2 metres. There must be alleyways of at least 1 metre between beds to allow inspection.

## 10. Proximity to aphid proof gauze house production

When planting Approved Health material consideration must be given to the isolation distance from certified plant material grown inside aphid proof houses.

Plants inside gauze house (grade)	Isolation of AH outside gauze house (m)
Pre-basic	250m
Basic 1 and Basic 2	50m
Certified	10m

## 11. Inspection tolerances

	FPCS 'certified' grade	Approved Health
<b>Rogues</b>	NIL	0.5
<b>Insects</b>		
<i>Resseliella theobaldi</i> Raspberry cane midge	0.5	0.5
<b>Fungi</b>		
<i>Peronospora rubi</i> Downy mildew	NIL	Substantial freedom
<i>Phytophthora</i> spp. infecting <i>Rubus</i>	NIL	NIL
<b>Bacteria</b>		
<i>Agrobacterium</i> spp Crown gall	1.0	1.0
<i>Rhodococcus fascians</i> Leafy gall	1.0	1.0
<b>Viruses</b>		
Apple mosaic virus	} 0.5	} NIL
Black raspberry necrosis virus		
Cucumber mosaic virus		
Raspberry leaf mottle		

<b>Viruses continued</b>		
Raspberry leaf spot	}	}
Raspberry vein chlorosis virus		
Rubus yellow net virus		
Raspberry bushy dwarf virus	N/A	
Arabis mosaic virus	N/A	
Raspberry ringspot virus	N/A	
Tomato black ring virus	N/A	
Strawberry latent ringspot virus	N/A	
<b>Phytoplasmas</b>		
Rubus stunt phytoplasma	NIL	NIL
<b>Virus like diseases</b>		
Raspberry yellow spot	NIL	NIL



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APHA is an Executive Agency of the Department for Environment, Food and Rural Affairs and also works on behalf of the Scottish Government, Welsh Government and Food Standards Agency to safeguard animal and plant health for the benefit of people, the environment and the economy.