

Special conditions for the certification of field grown stocks: Super Elite (SE), Elite (E), A, and *Approved-Health* (A-H) grades

GRADES

Inspected for	Trueness to variety, health and vigour. <i>Approved-Health</i> : Health and vigour only
Applications	To be made on form PHPS 12 by 1 May. A field plan must also be submitted with each application. Fera Plant Health and Seeds Inspectors require notification by 1 May of any stocks to be planted after this date where possible, although notifications after this date are acceptable, where at least 5 days notice (confirmed in writing) is given prior to inspection and the applicant has indicated prior to 1 May that such requests may be made.
Material eligible for entry:	<p>(i) New plantings</p> <p>Super Elite: Any variety certified at Foundation grade in the previous year, or which meets the requirements for Nuclear Stock as specified in PHPS 8(NS). Any variety certified as Super Elite cuttings under PHPS 8 (SE); the cuttings and field growing stages will count consecutively towards the 4 years maximum for material at this grade. Applications for any variety not listed in Appendix 2 must be accompanied by a varietal description.</p> <p>Elite: Any variety certified at Super Elite grade in the previous year. Any variety certified as Elite cuttings under PHPS 8 (E); the cuttings and field growing stages will count consecutively towards the 4 years maximum for material at this grade.</p> <p>A grade: Any variety certified at Super Elite or Elite grade in the previous year. Any variety certified as A grade cuttings under PHPS 8; the cuttings and field growing stages will count consecutively towards the 4 years maximum for material at this grade.</p> <p><i>Approved-Health</i>: Any variety not listed in Appendix 2.</p> <p>(ii) Established beds</p> <p>Super Elite: Beds that have been certified at Super Elite grade in the previous year. Beds are eligible for a maximum of 4 years at Super Elite grade.</p> <p>Elite: Beds that have been certified at Super Elite or Elite grade in the previous year. Beds are eligible for a maximum of 4 years at Elite grade.</p> <p>A grade: Beds that have been certified at Super Elite, Elite or A grade in the previous year. Beds are eligible for a maximum of 4 years at A grade.</p> <p><i>Approved-Health</i>: Beds that have been approved at <i>Approved-Health</i> grade in the previous year. No maximum age limit for <i>Approved-Health</i> grade.</p> <p>Note:</p> <p>(i) Parent stock that has been produced by micropropagation must have an appropriate micropropagation certificate.</p> <p>(ii) New plantings are allowed a year of establishment which will not count towards the age of the bed if the planting is not able to be certified in the first year.</p>



Freedom from soil-borne diseases	Crops must not be grown on land known to be infected with the following soil-borne diseases: Rhizomania, strawberry red core or verticillium wilt disease of hops or is under notice for potato wart disease or potato cyst nematode.
Rotation	The site must not have been used to grow Rubus crops in the previous 3 years.
Soil sampling	<p>(Super Elite and Elite only): Soil sampling of the proposed field and its boundary hedge is required for freedom from the soil living virus vector nematodes <i>Xiphinema diversicaudatum</i> (dagger nematode), <i>Longidorus attenuatus</i>, <i>L. elongatus</i> and <i>L. macrosoma</i> (needle nematodes), prior to the planting and entry of material for certification. Applications should be made on form PHPS 2 as soon as the field to be used is known. Fields found to be infested cannot be used for planting unless one of the following requirements has been complied with:</p> <ul style="list-style-type: none"> (a) the field must be treated with an approved soil fumigant; or (b) a soil bait test must be carried out for the relevant viruses. If the result is negative for virus, treatment with a soil fumigant will not be required. If virus is found, treatment will be required; or (c) the field may be left bare fallow with no weed covering for 1 year or more before a soil bait test and further action as at (b). <p>No stock may be planted within 10 metres of any hedge found to be infested.</p>
Spacing	The bed widths must not exceed 2 metres. There must be alleyways of at least 1 metre between beds.
Isolation	<p>Stocks entered must be at least the distance shown from the following:</p> <p>Super Elite: Variety of same grade and Elite: 4 metres A grade: 100 metres <i>Approved-Health</i> grade: 400 metres Fruiting crop: 400 metres</p> <p>Elite: Variety of same grade and A grade: 4 metres <i>Approved-Health</i>: 400 metres Fruiting crop: 400 metres</p> <p>A grade: Variety of same grade: 4 metres <i>Approved-Health</i> grade 400 metres Fruiting crop: 400 metres</p> <p><i>Approved-Health</i>: Variety of same grade: 4 metres Fruiting crop: 100 metres</p> <p>Note: Isolation distances between stocks in aphid-proof structures (contact Fera Plant Health and Seeds Inspectors in advance of using such structures about additional requirements) and those outside can be reduced provided no rubus fruiting, passporting or A-H stocks are grown adjacent to the structure and stocks grown within specified isolation distances are subject to stringent aphid control measures. All material grown in the structure must be entered in the PHPS; any A-H material must be grown in a separate structure or outside.</p>

Control of diseases	Fungicide treatment that could mask symptoms of Phytophthora root rot must not be used.
Roguing	Limited roguing is permissible after inspection with prior approval of the Fera Plant Health and Seeds Inspectors provided that records are kept of stocks rogued and the reason for roguing i.e. pest, disease or impurity. Stocks may not be certified/approved where records are not kept.
Fruit on canes	Wherever possible the grower should not allow PHPS stocks to fruit. Primocane stocks should be isolated as far as possible from Non-Primocane stocks.
Gapping up	Gapping up is permissible providing that the material used is eligible. Growers must keep records of this procedure and make them available if requested to do so.
Number of inspections	Two, normally during July or August and during September or October.
Standards to be met	A summary of tolerances for pests and diseases is at Appendix 1.
Quarantine diseases	Under, in England, the Plant Health (England) Order 2005, or in Wales, the Plant Health (Wales) Order 2006, growers who become aware of or suspect the presence of any of the following diseases on their premises must immediately notify their local Fera Plant Health and Seeds Inspectors. Those relating to Rubus are: arabis mosaic virus, raspberry ringspot virus, strawberry latent ringspot virus and tomato black ring virus.
Validity of certificates	Harvested canes from certified crops, including those subsequently potted up, may be described as certified (approved in the case of Approved-Health) at the appropriate grade until 31 May in the year following certification.

FIELD GROWN RUBUS

PHPS 11

Summary of tolerances :

APPENDIX 1

Super Elite, Elite, 'A' & *Approved* – Health grades

	Super Elite	Elite	A	Health
Rogues	NIL	NIL	0.5%	0.5%
Virus disease symptoms: +Arabis mosaic virus +Raspberry ringspot virus +Tomato black ring virus +Strawberry latent ringspot virus	NIL	NIL	NIL	NIL
Other virus diseases	NIL	NIL	0.5%	0.5%
Phytophthora root rot (<i>Phytophthora fragariae var. rubi</i>)	NIL	NIL	NIL	NIL
Other pests and diseases including: mildew, aphids, capsid bugs, two spotted (red spider) mite, caterpillars	Substantial freedom			

+These diseases are notifiable under, in England, the Plant Health (England) Order 2005, or in Wales, the Plant Health (Wales) Order 2006. Growers must inform Fera Plant Health and Seeds Inspectors if they suspect the presence of any of them on their premises.

List of varieties which will be ineligible for entry at *Approved-Health* grade 2009

Raspberries:

Autumn Bliss	Glen Magna	Malling Jewel
Glen Ample	Glen Moy	Octavia
Glen Clova	Glen Prosen	Polka
Glen Lyon	Julia	Tulameen #

existing plantings remain eligible