



APPLICATIONS UNDER EXAMINATION

CHERRY

CHERRY (*Prunus*)

Proposed denomination: '14813'
Synonym: GI14813
Trade name: GI 14813
Application number: 19-10058
Application date: 2019/12/16
Applicant: Consortium Deutscher Baumschulen GmbH, Ellerbek, Germany
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Sabine Franken-Bembenek, Giessen, Germany

Variety used for comparison: 31817 (GI 31817)

Summary: *The one year old shoot of '14813' is thick whereas it is thin to a medium thickness for '31817'. The upper side of the petiole of '14813' has very weak to weak pubescence whereas '31817' has medium to strong pubescence. The leaf blade of '14813' is dark green with crenate and serrate incisions of the margin whereas the leaf blade of '31817' is light green with serrate incisions of the margin. Nectaries of '14813' are green while they are yellow for '31817'.*

Description:

PLANT: upright to spreading growth habit, strong vigour, strong to very strong branching

ONE-YEAR-OLD SHOOT: short to medium internode length, many lenticels, thick, pubescence present on middle third, strong intensity of anthocyanin colouration of apex, strong branching at end of summer

ONE-YEAR-OLD SHOOT (VEGETATIVE BUD): slightly held out in relation to shoot, medium to large, acute shaped apex, medium sized vegetative bud support, strong intensity of anthocyanin colouration of young leaf (during rapid growth)

LEAF: medium blade length to petiole length ratio, long to very long stipules

PETIOLE: medium length, very weak to weak pubescence of upper side, deep groove

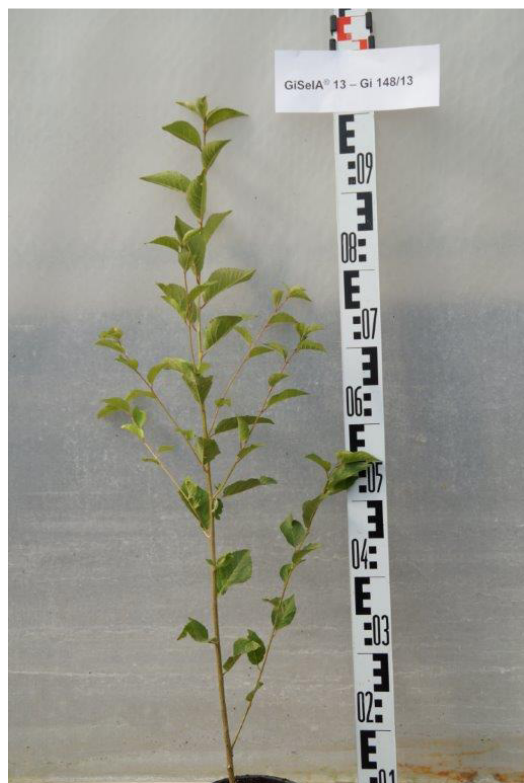
LEAF BLADE: long, broad, dark green upper side, medium glossiness of upper side, small to medium length to width ratio, elliptic shape, obtuse shaped base, long tip, right angled apex (excluding tip), strong pubescence of lower side at apex, medium to deep crenate and serrate shaped incisions of the margin

LEAF NECTARIES: predominantly two present, predominantly on base of leaf blade, green, round

Flowers: present

Origin and Breeding: '14813' originated from a cross between an unknown female parent variety of *Prunus cerasus* and an unknown male parent variety of *Prunus avium*. The cross was made in Giessen, Germany in 1971. The new variety was evaluated as a rootstock by grafting various scions and planting in multiple orchard locations. '14813' was selected in 1991 in Witzenhausen-Wenderhausen, Germany based on plant growth, fruit production in poor soils, resistance to suckering, ploidy, and growth habit when un-grafted.

Tests and Trials: The detailed description of '14813' is based on the UPOV report of Technical Examination, application number PRU 56, purchased from the Bundessortenamt, Hannover, Germany. The trial was conducted by the Bundessortenamt in Wurzen, Germany in 2014 and 2015.



Cherry: '14813'



Cherry: '14813'



Cherry: '14813'

Proposed denomination:	'31817'
Synonym:	GI31817
Trade name:	GI 31817
Application number:	19-10059
Application date:	2019/12/16
Applicant:	Consortium Deutscher Baumschulen GmbH, Ellerbek, Germany
Agent in Canada:	BioFlora Inc., St. Thomas, Ontario
Breeder:	Sabine Franken-Bembenek, Giessen, Germany

Variety used for comparison: 14813 (GI 14813)

Summary: *The one year old shoot of '31817' is thin to medium in thickness whereas it is thick for '14813'. The upper side of the petiole of '31817' has medium to strong pubescence whereas '14813' has very weak to weak pubescence. The leaf blade of '31817' is light green with serrate incisions of the margin whereas the blade of '14813' is dark green with crenate and serrate incisions of the margin. The nectaries of '31817' are yellow while those of '14813' are green.*

Description:

PLANT: upright growth habit, strong vigour, strong branching

ONE-YEAR-OLD SHOOT: medium to long internode length, medium to many lenticels, thin to medium thickness, pubescence present on middle third, medium to strong intensity of anthocyanin colouration of apex, medium to strong branching at end of summer

ONE-YEAR-OLD SHOOT (VEGETATIVE BUD): slightly held out in relation to shoot, medium sized, acute shaped apex, small to medium sized vegetative bud support, medium to strong intensity of anthocyanin colouration of young leaf (during rapid growth)

LEAF: medium to large blade length to petiole length ratio, medium to long stipules

PETIOLE: medium length, medium to strong pubescence of upper side, deep groove

LEAF BLADE: long, medium to broad, light green upper side, weak to medium glossiness upper side, medium length to width ratio, elliptic shape, obtuse shaped base, long tip, right angled apex (excluding tip), strong to very strong pubescence of lower side at apex, deep serrate shaped incisions of the margin

LEAF NECTARIES: predominantly two present, predominantly on base of leaf blade, yellow, round

Flowers: present

Origin and Breeding: '31817' originated from a cross between an unknown female parent variety of *Prunus canescens* and an unknown male parent variety of *Prunus avium*. The cross was made in Giessen, Germany in 1970. The new variety was evaluated as a rootstock by grafting with different varieties and planted in multiple orchard locations. '31817' was selected in 1985 in Ahrensburg, Germany based on plant growth, fruit production in poor soils, ploidy, growth habit when un-grafted, and disease resistance.

Tests and Trials: The detailed description of '31817' is based on the UPOV report of Technical Examination, application number PRU 57, purchased from the Bundessortenamt, Hannover, Germany. The trial was conducted by the Bundessortenamt in Wurzen, Germany in 2014 and 2015.



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