



APPLICATIONS UNDER EXAMINATION

APPLE

APPLE

(*Malus domestica*)

Proposed denomination: 'WA 38'
Application number: 16-9038
Application date: 2016/11/21
Applicant: Washington State University, Pullman, Washington, United States of America
Agent in Canada: Oyen Wiggs Green & Mutala LLP, Vancouver, British Columbia
Breeder: Bruce H. Barritt, Washington State University, Tree Fruit Research and Extension Center, Wenatchee, Washington, United States of America

Description:

TREE: medium to strong vigour, ramified, spreading growth habit, fruit bearing on spurs and long shoots, begins flowering mid to late season, late fruit harvest and eating maturity

ONE-YEAR-OLD SHOOT: medium thickness, medium to long internode, light brown on side facing sun, medium density of pubescence on distal half, few lenticels

PETIOLE: medium length, small to medium extent of anthocyanin colouration from base

LEAF BLADE: outwards attitude in relation to shoot, medium to long, medium width, medium length to width ratio, medium intensity of green on upper side, crenate incisions of margin on distal half, dense pubescence on lower side

FLOWER: predominantly dark pink at balloon stage, medium diameter when petals pressed into horizontal position, overlapping arrangement of petals, stigmas positioned above anthers

YOUNG FRUIT: medium to large extent of anthocyanin over colour

FRUIT: large to very large, tall, medium to large diameter, large height to diameter ratio, conic shape, moderate degree of ribbing, moderate crowning at calyx end, medium sepal length

FRUIT SKIN: absent or weak degree of bloom, moderate greasiness, yellow ground colour, large to very large area of medium to dark purple red over colour distributed as solid flush with weakly defined stripes of medium width, absent or small area of russet around stalk attachment, absent or small area of russet on cheeks, absent or small area of russet around eye basin, medium to many medium sized lenticels

FRUIT STALK: long, medium thickness

FRUIT STALK CAVITY: very deep, broad

FRUIT EYE: small to medium sized

FRUIT EYE BASIN: deep to very deep, broad

FRUIT FLESH: medium to firm, yellowish, fully open aperture of locules in transverse section

Origin and Breeding: 'WA 38' originated from a cross between 'Enterprise' and 'Honeycrisp' made in 1997 in Wenatchee, Washington, USA. The germinated seedling was grown in a green house, chip budded onto 'M9' rootstock and planted in Douglas County, Washington in 2001. Second generation trees were planted at two locations in Douglas County and one location in Franklin County, Washington. 'WA 38' was selected in 2004 on the basis of fruit texture and flavour, storageability and time to fruit browning when cut.

Tests and Trials: The detailed description of 'WA 38' is based on the UPOV report of Technical Examination, reference number DEE 4072761, purchased from Groupe d'Étude et de contrôle des Variétés Et des Semences (GEVES), France. The trial was conducted by the Institut national de recherche pour l'agriculture, l'alimentation et l'environnement in Beaucouzé, France from 2017 to 2020.



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