



APPLICATIONS UNDER EXAMINATION

APPLE

APPLE

(*Malus domestica*)

Proposed denomination: 'PremA129'
Application number: 21-10455
Application date: 2021/04/08
Applicant: PREVAR LIMITED, Hastings, New Zealand
Agent in Canada: Osler, Hoskin & Harcourt LLP, Ottawa, Ontario
Breeder: Allan White, Havelock North, New Zealand

Variety used for comparison: 'Scired'

Summary: *The time of fruit harvest and eating maturity for 'PremA129' is mid-season while it is mid to late season for 'Scired'.*

Description:

TREE: medium vigour, ramified, upright growth habit, fruit bearing on spurs only, begins flowering mid-season, mid-season fruit harvest and eating maturity

ONE-YEAR-OLD SHOOT: medium thickness, medium to long internode length, side facing sun is reddish brown, dense pubescence on distal third, medium number of lenticels

PETIOLE: very short to short, large extent of anthocyanin colouration from base

LEAF BLADE: outwards attitude in relation to shoot, short to medium length, medium width, medium length to width ratio, light to medium intensity of green on upper side, serrate type 1 incisions of margin on distal half, absent or sparse pubescence on lower side

FLOWER: predominantly yellowish pink at balloon stage, large diameter when petals pressed into horizontal position, free arrangement of petals, stigmas positioned above anthers

YOUNG FRUIT: small extent of anthocyanin over colour

FRUIT: medium size, medium to tall, large diameter, medium to large height to diameter ratio, conic shape, absent or weak degree of ribbing, absent or weak crowning at calyx end, short to medium length sepal

FRUIT SKIN: moderate degree of bloom, absent or weak greasiness, whitish green ground colour, medium to large area of over colour, medium to dark intensity of red over colour distributed only as solid flush, 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 to large sized lenticels

FRUIT STALK: medium length, thick

FRUIT STALK CAVITY: medium depth, medium to broad

FRUIT EYE: large to very large

FRUIT EYE BASIN: medium depth, medium to broad

FRUIT FLESH: firm to very firm, cream coloured, aperture of locules is closed or slightly open in transverse section

Origin and Breeding: 'PremA129' (experimental designation 'A182R03T129') originated from a cross between the female parent 'Scired' and the male parent 'PremA280' made in 1997 at the New Zealand Institute for Plant and Food Research, in Hawkes Bay, New Zealand. 'PremA129' was selected as a seedling in 2003 and was first asexually propagated in 2003. 'PremA129' was selected based on fruit shape, colour, flavour, yield and plant resistance to pests and diseases.

Tests and Trials: The detailed description of 'PremA129' is based on the UPOV report of Technical Examination, application number APP224, grant number 32453, received from the New Zealand Plant Variety Rights Office, in Christchurch, New Zealand. The trial was conducted by the Cultivar Centre, Plant and Food Research, Havelock North, New Zealand from 2018 to 2019.



Apple: 'PremA129'



Apple: 'PremA129'



Apple: 'PremA129'