



APPLICATIONS UNDER EXAMINATION

GRAPEVINE

GRAPEVINE (*Vitis vinifera*)

Proposed denomination: 'ARRATHIRTY'
Application number: 22-10905
Application date: 2022/05/05
Applicant: Agricultural Research and Development Limited Liability Company, Bakersfield, California, United States of America
Agent in Canada: Bereskin & Parr, Toronto, Ontario
Breeder: Shachar Karniel, Bakersfield, California, United States of America
Sal Giumarra, Bakersfield, California, United States of America

Note: The applicant has requested an exemption from compulsory licensing to allow time to multiply and distribute propagating material of the variety. If the exemption is granted, it may be allowed for two years from the date rights are granted for the variety.

Variety used for comparison: 'IFG093166Ifgeleven'

Summary: *The mature leaf of 'ARRATHIRTY' has seven lobes whereas that of 'IFG093166Ifgeleven' has five lobes. The upper side of the mature leaf blade of 'ARRATHIRTY' has a high proportion of main veins with anthocyanin colouration while that of 'IFG093166Ifgeleven' has an absent or very low proportion of main veins with anthocyanin colouration. The berry of 'ARRATHIRTY' has a green coloured skin without bloom whereas the berry of 'IFG093166Ifgeleven' has a blue black coloured skin without bloom.*

Description:

YOUNG SHOOT TIP: wide open, sparse prostrate hairs, absent or very weak anthocyanin colouration of prostrate hairs, absent or very sparse erect hairs

SHOOT: semi-erect attitude (before tying), dorsal side of internodes and nodes are green and red, ventral side of internodes and nodes are green, absent or very sparse erect hairs on internodes

WOODY SHOOT: dark brown, very early season bud burst

TENDRILS: long

YOUNG LEAF BLADE: upper side yellow green, sparse prostrate hairs between main veins on lower side, absent or very sparse erect hairs on main veins on lower side

MATURE LEAF BLADE: large, wedge-shaped, absent or very weak degree of blistering on upper side, seven lobes, medium depth of upper lateral sinuses, slightly overlapping arrangement of lobes of upper lateral sinuses, wide open arrangement of lobes of petiole sinus, high proportion of main veins on upper side with anthocyanin colouration, length of petiole is equal to length of middle vein

MATURE LEAF BLADE (LOWER SIDE): absent or very sparse prostrate hairs between main veins, absent or very sparse erect hairs on main veins

TEETH OF LEAF MARGIN: medium length, medium length to width ratio, one side concave and one side convex

FLOWER: fully developed stamens and fully developed gynoecium

BERRY BUNCH: very large, lax density, medium length of peduncle of primary bunch

BERRY: begins ripening very early, very large size, cylindrical shape, moderately easy to detach from pedicel, no particular flavour, no seed formation

BERRY SKIN: green (without bloom), medium thickness

BERRY FLESH: absent or very weak anthocyanin colouration, very firm

Origin and Breeding: 'ARRATHIRTY' originated from a controlled cross conducted in 2008 between 'C.R.' and 'GRAPAES' as part of a grape breeding program located near Bakersfield in San Joaquin Valley, California, USA. The initial seedling of 'ARRATHIRTY' was selected in June 2010 based on its seedless berries, berry shape and size, berry

firmness, skin colour, cluster size and flavour. Additional selection criteria included the time of fruit ripening, as well as its amenability for storage, handling and shipping.

Tests and Trials: The detailed description of ‘ARRATHIRTY’ is based on the UPOV report of Technical Examination, application number 2014/3297, purchased from the Community Plant Variety Office in Angers, France. The trials were conducted at the Centro di ricerca Viticoltura ed Enologia in Conegliano, Italy from 2015 to 2018.



Grapevine: ‘ARRATHIRTY’

Proposed denomination:	‘ARRATWENTYNINE’
Application number:	22-10906
Application date:	2022/05/05
Applicant:	Agricultural Research and Development Limited Liability Company, Bakersfield, California, United States of America
Agent in Canada:	Bereskin & Parr, Toronto, Ontario
Breeder:	Shachar Karniel, Bakersfield, California, United States of America Sal Giumarra, Bakersfield, California, United States of America

Note: The applicant has requested an exemption from compulsory licensing to allow time to multiply and distribute propagating material of the variety. If the exemption is granted, it may be allowed for two years from the date rights are granted for the variety.

Variety used for comparison: ‘Mara Seedless’

Summary: *The arrangement of lobes of the petiole sinus of ‘ARRATWENTYNINE’ is wide open whereas the arrangement of lobes of the petiole sinus of ‘Mara Seedless’ is half open. The berry of ‘ARRATWENTYNINE’ is medium sized with a medium thick skin whereas the berry of ‘Mara Seedless’ is large with a thick skin.*

Description:

YOUNG SHOOT TIP: wide open, absent or very sparse prostrate hairs, absent or very weak anthocyanin colouration of prostrate hairs, absent or very sparse erect hairs

SHOOT: semi-erect attitude (before tying), dorsal side of internodes and nodes are green and red, ventral side of internodes and nodes are green, absent or very sparse erect hairs on internodes

WOODY SHOOT: yellowish brown, very early season bud burst

TENDRILS: long

YOUNG LEAF BLADE: upper side light copper red, absent or very sparse prostrate hairs between main veins on lower side, absent or very sparse erect hairs on main veins on lower side

MATURE LEAF BLADE: medium sized, wedge-shaped, absent or very weak degree of blistering on upper side, five lobes, medium depth of upper lateral sinuses, slightly overlapping arrangement of lobes of upper lateral sinuses, wide open arrangement of lobes of petiole sinus, low proportion of main veins on upper side with anthocyanin colouration, length of petiole is moderately longer than length of middle vein

MATURE LEAF BLADE (LOWER SIDE): absent or very sparse prostrate hairs between main veins, absent or very sparse erect hairs on main veins

TEETH OF LEAF MARGIN: medium length, medium length to width ratio, both sides convex

FLOWER: fully developed stamens and fully developed gynoecium

BERRY BUNCH: large, medium density, medium length of peduncle of primary bunch

BERRY: begins ripening very early, medium size, obtuse ovoid shape, moderately easy to detach from pedicel, no particular flavour, rudimentary seed formation

BERRY SKIN: red (without bloom), medium thickness

BERRY FLESH: absent or very weak anthocyanin colouration, very firm

Origin and Breeding: 'ARRATWENTYNINE' originated from a controlled cross conducted in 2006 between 'A.3.' and 'GAW5' as part of a grape breeding program located near Bakersfield in San Joaquin Valley, California, USA. The initial seedling of 'ARRATWENTYNINE' was selected in June 2008 based on its fruit size, fruit firmness, seedless berries, skin colouration, cluster size and flavour. Additional selection criteria included the time of fruit ripening, as well as its amenability for storage, handling and shipping.

Tests and Trials: The detailed description of 'ARRATWENTYNINE' is based on the UPOV report of Technical Examination, application number 2013/3291, purchased from the Community Plant Variety Office in Angers, France. The trials were conducted at the Centro di ricerca Viticoltura ed Enologia in Conegliano, Italy from 2014 to 2017.



Grapevine: 'ARRATWENTYNINE'