



**STRAWBERRY**  
(*Fragaria ×ananassa*)

**Proposed denomination:** 'AAC Dynamik'  
**Application number:** 19-9937  
**Application date:** 2019/06/04  
**Applicant:** Agriculture & Agri-Food Canada, Saint-Jean-sur-Richelieu, Quebec  
**Agent in Canada:** Agriculture & Agri-Food Canada, Saskatoon, Saskatchewan  
**Breeder:** Shahrokh Khanizadeh, Agriculture & Agri-Food Canada, Saint-Jean-sur-Richelieu, Quebec

**Variety used for comparison:** 'Seascape'

**Summary:** *The plants of 'AAC Dynamik' have a semi-upright growth habit whereas the plants of 'Seascape' have an upright growth habit. The foliage of 'AAC Dynamik' is dense whereas the foliage of 'Seascape' is of medium density. The stolons for 'AAC Dynamik' have a medium intensity of anthocyanin colouration and dense pubescence whereas those for 'Seascape' have absent or very weak anthocyanin colouration and medium density pubescence. The leaf of 'AAC Dynamik' is small whereas that of 'Seascape' is medium sized. For the flower of 'AAC Dynamik', the calyx is the same size as the corolla whereas the calyx is smaller than the corolla of 'Seascape'. The fruit of 'AAC Dynamik' has a long conical shape whereas that of 'Seascape' is rhomboid shaped. The fruit of 'AAC Dynamik' has an absent or very narrow band without achenes whereas the fruit of 'Seascape' has a narrow band without achenes. The achenes are positioned below the fruit surface for 'AAC Dynamik' whereas they are level with the fruit surface for 'Seascape'. Excluding the core, the fruit flesh of 'AAC Dynamik' is medium red whereas that of 'Seascape' is light red.*

**Description:**

**PLANT:** fully remontant bearing type, semi-upright growth habit, dense foliage, strong vigour

**STOLONS:** few, medium intensity of anthocyanin colouration, dense pubescence

**LEAF:** small, dark green on upper side, absent or weak blistering, medium degree of glossiness, no variegation

**TERMINAL LEAFLET:** moderately longer than wide, acute base, crenate margin, concave in cross-section

**PETIOLE:** short, upwards attitude of hairs

**STIPULE:** absent or very weak intensity of anthocyanin colouration

**FLOWERING:** begins very early to early in season

**INFLORESCENCE:** positioned below foliage, many flowers

**PEDICEL:** upwards attitude of hairs

**FLOWER:** : calyx same size as corolla, touching petal arrangement, stamens present

**PETAL:** length equal to width, white inner side

**CALYX:** attachment level with fruit, outwards attitude of sepals, diameter slightly smaller than fruit, strong adherence to fruit

**FRUIT:** begins ripening very early to early in season, moderately longer than wide, medium sized, long conical shape, moderate difference in shape between terminal fruit and other fruit, absent or very narrow band without achenes

**FRUIT SURFACE:** medium red, strong glossiness, even or very slightly uneven colour, slightly uneven surface, achenes positioned below fruit surface

**FRUIT FLESH:** medium firmness, medium red, white core, absent or small cavity

**Origin and Breeding:** 'AAC Dynamik' (experimental designation FLP112-8) originated from a cross conducted in 2010 by Dr. Shahrokh Khanizadeh at the Agriculture and Agri-Food Canada substation in L'Acadie, Quebec. The cross was made between the female parent variety 'FIN005-50' and the male parent variety 'Albion'. The new variety was selected based on plant health, vigour, appearance, fruit bearing type and habit, fruit quality and yield. 'AAC Dynamik' was propagated by stolons in 2011 and 2012 in a greenhouse in L'Acadie. In 2013, the variety was transferred to Lareault Inc. in Lavaltrie, Quebec where it continues to be propagated by stolons.

**Tests and Trials:** The comparative trial for ‘AAC Dynamik’ was conducted during the summer of 2019 in Lavaltrie, Quebec. A minimum of 20 bare-root plants per variety were planted in double row raised beds in late April 2019. The raised beds were approximately 25 cm high by 32 cm wide, spaced 1.5 metres apart, and covered with white plastic. The plants were spaced 30 cm apart in a staggered pattern. There were 2 replicates. Measured characteristics were taken from 15 plants, or parts of plants.



Strawberry: ‘AAC Dynamik’



Strawberry: Reference variety ‘Seascape’