Seven crops of own rooted vines and three crops from the grafted plants have been observed.

**Description**

'Shani' vines are very vigorous, adapted to spur pruning, and prolific. The leaves are pentagonal, with an open shaped petiolar sinus. The bunches average 600g in weight, are long to very long, shouldered, and not compact. Berries are vivid red, large sized, averaging 7.0g in weight. Berry shape is ovoid. Very little cracking has been observed, compared with 'Cardinal'. Yields of 24–29 mt/ha have been obtained. Ripening date, at Bet Dagan, is from July 1 to 14, about the same as for 'Cardinal'. Color can be improved by spraying with 200 ppm (2-chloroethyl) phosphonic acid (ethephon) at 50% color change. Fruit stores well, but berries, especially on ungrafted vines, are somewhat prone to drop.

**Availability**

Patent pending. Budwood will be available from the authors, Volcani Center, Bet Dagan, Israel, by agreement. Tested virus free budwood will be available at the end of 1982.

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**‘Sivan’ Grape**

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**Additional index words.** Vitis vinifera, fruit breeding

In a table grape-breeding program initiated in 1968 at Bet Dagan, the progeny of a cross between the local cultivar ‘Dabouki’ and ‘Cardinal’, has proven of special interest and several selections have been made. One selection is being named ‘Sivan’.

**Origin**

‘Sivan’ (Fig. 1) was selected (hybrid no. 5/70-53) in 1976 from a population of 142 plants resulting from a cross between ‘Dabouki’ and ‘Cardinal’ made in 1968, propagated as selection no. 42 as ungrafted cuttings in Bet Dagan, and as plants grafted to ‘Ruggieri 140’ and ‘1103 Paulsen’ (V. berlandieri × V. rupestris) rootstocks. Five crops from own rooted vines and three crops of the grafted plants have been observed.

**Description**

‘Sivan’ vines are very vigorous, well adapted to spur pruning and highly prolific (yields of 29–35 mt/ha have been observed). The mature leaves are wedge-shaped with an open-shaped petiolar sinus. Bunches are of medium size, average weight about 400g, not compact, and have a short conical shape. Berries are yellow at full maturity, ellipsoidal, of medium size, average weight of 5.0g, with one or two rather small seeds. The skin is fairly tough. There is some tendency for shot berries and sensitivity to sunburn of berries. A slight and delicate Muscat flavor is noted at full ripening. Ripening date at Bet Dagan, is from June 28 to July 10, similar to ‘Queen of Vineyards’. Bunch thinning improves quality and size and hastens ripening. Best flavor and firmness are obtained close to full maturity, at 14° Brix.

**Availability**

Patent pending. Budwood will be available from the authors at the Volcani Center, Bet Dagan, Israel, by agreement. Tested virus free budwood will be available at the end of 1982.

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**‘Allstar’ Strawberry**

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**Additional index words.** Fragaria × ananassa, red stele root rot resistance, Phytophthora fragariae, Verticillium albo-atrum, fruit breeding

‘Allstar’ is a vigorous and productive June-bearing strawberry (Fragaria × ananassa Duch.) that produces very large, firm fruit of good quality in late season. It is the most recent introduction in a series of red stele root rot-resistant cultivars developed in the cooperative strawberry improvement program of the U.S. Department of Agriculture and the University of Maryland. ‘Allstar’ combines multiple-race resistance to red stele incited by Phytophthora fragariae Hickman with resistance to other root and leaf diseases, has unusually broad adaptation within the eastern United States, and performs well under a number of cultural regimes. Its name implies superior performance under diverse soil, climatic and cultural conditions.

**Origin**

‘Allstar’, tested as MDUS 4429, was selected from a cross of US 4419 × MDUS 3184 by D. H. Scott and A. D. Draper at Wye, Md., in 1971 (Fig. 1). The cross was made in 1969 and the seedlings were screened for red stele root rot resistance in the winter of 1969–70. The resistant seedlings were grown at Wye Institute on the Eastern Shore of Maryland in 1970 and 1971 for plant and fruit evaluations. ‘Allstar’ has been evaluated in Maryland during the period 1972–1981, and in a number of locations extending north from North Carolina to Massachusetts and westward to Ohio and Missouri during 1978–1981.

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Fig. 1. ‘Sivan’ grape.