

# KRYMSK® 5

**Krymsk® 5** is an excellent sweet cherry rootstock having more precocity than Mazzard or Colt, yet not as precocious as the Gisela® series. It has outstanding balance between vigor and cropping. Additionally, Krymsk® 5 is very tolerant of stress conditions, such as high temperature and low soil moisture. The tree size is equivalent to Gisela® 6 and has good anchorage and tolerance of heavy soils. In heavy soils, significant suckers may occur. Krymsk® 5 is sensitive to the pollen borne ILAR viruses. Krymsk® 5 appears to be less sensitive to Bacterial Canker than Gisela® 6 or Colt.

**PARENTAGE:** *Prunus fruticosa* x *Prunus serrulata* var. *lannesiana*

**ORIGIN:** Krymsk Experimental Breeding Station, Krasnodar Region, Russia.

**OLDEST TEST SITES IN THE US:** Sweet cherries—2000 in California, Oregon, Washington and New York.

**COMPATIBILITY:** Sweet cherries. Significant graft union over-growth can sometimes occur.

**VIGOR:** 80% of Mazzard seedling.

**GROWTH UNIFORMITY:** Excellent.

**ANCHORAGE:** Good.

**PRECOCITY:** Between Mazzard and Gisela® 6.

**YIELD EFFICIENCY:** Good with sweet cherry. Less flower density than Gisela® rootstocks. Crop load management needed, but less than with Gisela®. Yield efficiency with sour cherries is unknown.

**FRUIT MATURITY:** Fruit ripens two days ahead of Mazzard.

**SUCKERING:** Produces some trunk and root suckers. Can be excessive in heavy soils.

**CHILLING REQUIREMENT:** Appears to be higher than Mazzard.

**COLD HARDINESS:** Excellent for all but the coldest growing sites in the US.

**NEMATODE RESISTANCE:** Unknown. No problems have been encountered.

**EFFECT OF ROOTSTOCK ON BACTERIAL CANKER SUSCEPTIBILITY:** Less sensitive than Gisela® 6 or Colt.

**OAK ROOT FUNGUS TOLERANCE:** Untested.

**PHYTOPHTHORA SENSITIVITY:** No problems have been encountered.

**VERTICILLIUM RESISTANCE:** Unknown.

**DISEASE PROBLEMS—OTHER:** Very sensitive to PNRS and PDV viruses.

**ASPHEXIA TOLERANCE:** Good.

**DROUGHT TOLERANCE:** More tolerant to low soil moisture and high temperature stress than Gisela rootstocks.

**CROWN GALL SUSCEPTIBILITY:** Level of susceptibility is unknown, but not extreme.

**pH TOLERANCE:** Good. (8 to 8.5)

**CALCAREOUS SOIL TOLERANCE:** Unknown.