



Strawberry Research



Breeding programs at land-grant universities created strawberries with higher yields and adaptability to different growing conditions as well as better fruit size, texture, color, and flavor.



Researchers at the University of Florida contributed to the release of a new line of white-fruited strawberries.

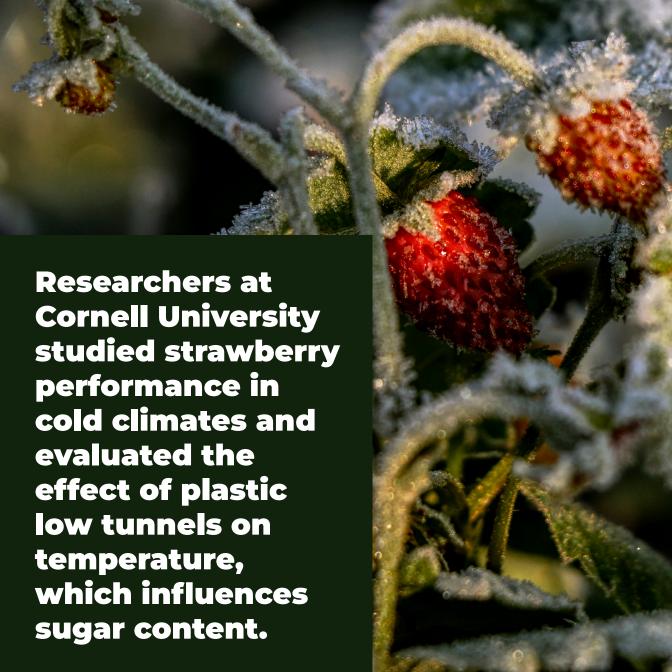








Studies at Kansas State University assessed how plastic mulch color affects the microclimate around strawberry plants—and how that affects fruit yield and quality.



Researchers are using genetic sequencing to better understand strawberry virus diversity, which will improve the accuracy of methods used to detect and identify strawberry viruses.









Trials at the University of Florida discovered a parasitic worm that infects strawberry leaves and reduces yield. Trials also showed its feeding habits and symptoms differ from other known strawberry nematodes.





Smart technology developed at the University of Florida provides strawberry flower distribution and fruit yield maps that help growers estimate yields and manage harvesting operation. As part of a multistate project, researchers are developing automated technology for the strawberry industry.

For example,
University of
California scientists
developed fruit
tray-transporting
robots that could
increase harvesting
rate and cut labor
needs and costs.







To extend fresh strawberry shelf life, University of Maryland scientists explored preharvest UV-B treatments, and researchers at the University of Florida developed anti-moisture clamshell packaging.



Virginia State University researchers also developed a pocketsized digital acidity meter that reduces the time and labor needed to measure total titratable acidity—an indicator of sourness.



Virginia State
University scientists
studied variables
that affect
pigment yield and
developed a simple,
inexpensive way to
extract pigments.

In addition to producing desirable strawberry color, these pigments are antioxidants of interest to pharmaceutical companies.

