



NORTHERN Highbush Blueberry

WHICH CULTIVARS BENEFIT FROM CROSS-POLLINATION?

Cultivar response to being crossed with pollen of selected cultivars.

LEGEND: + positive effects from cross pollination | - negative effects from cross pollinating | = very little or no change

Cultivar	Crossed with	Fruit mass	Firmness	Fruit set	Ripening time
Calypso	Draper	+	+	=	Up to a week quicker
	Duke	+	+	=	Up to a week quicker
	Legacy	+	+	=	No change
Draper	Duke	+	+	=	Up to a week quicker
	Legacy	+	+	=	Up to a week quicker
	Nelson	+	+	=	Up to a week quicker
Duke	Draper	+	=	+	No change
	Legacy	+	=	+	No change
	Nelson	=	=	+	No change
Elliott	Draper	+	+	+	No change
	Duke	+	=	+	No change
	Legacy	+	=	+	No change
Liberty	Draper	+	+	+	Up to 2 weeks quicker
	Duke	+	+	+	Up to 2 weeks quicker
	Legacy	+	+	+	Up to 2 weeks quicker
Legacy	Bluecrop	-	-	=	No change
	Draper	-	=	=	No change
	Nelson	-	=	=	No change

Data comes from Chabert and Mallinger at the University of Florida. It is based on greenhouse experiments and may not be directly transferrable to the field.



MICHIGAN STATE
UNIVERSITY



WASHINGTON STATE
UNIVERSITY

UF UNIVERSITY of
FLORIDA



Oregon State University
Extension Service

This infographic was funded by:



United States Department of Agriculture
National Institute of Food and Agriculture

THE BENEFITS OF CROSS POLLINATION

Cross pollination is the transfer of pollen from one plant to the stigma within a flower of another plant of the same species but is not clonally identical. Cross pollination occurs when pollen is transferred between different cultivars. Although blueberry is capable of self-pollination, cross pollination can increase fruit yield and quality by introducing genetic diversity. In other cropping systems, such as tree fruits like apple and cherry, it is common to incorporate pollinizers within the orchard that introduces compatible pollen from a different cultivar or genetic source.

In addition to the benefits of cross pollination, the objective of this upcoming guide is to describe blueberry pollination and factors that promote pollination success in open-field and protected culture. We will review how managed and wild pollinators contribute to pollination and how to aid their activity and health. For more information and to stay tuned on the release of this guide, check out the resources below.

FOLLOW US:



www.BlueberryPollination.org



@BeesNBerries



@BeesNBerries