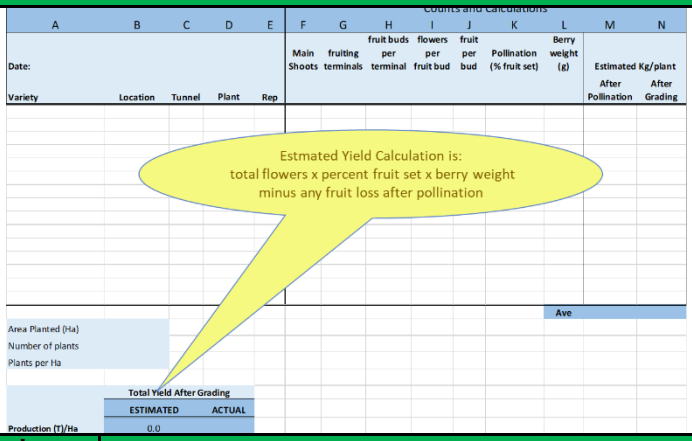
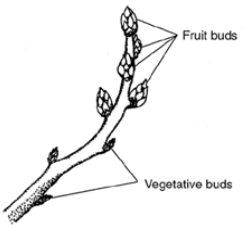
5.3.2 Quick Guide Crop Estimation

PURPOSE

Quick Reference Guide for Yield Calculation in Blueberry

Complete Columns A B C D E F G H I J and L	
	
General	
Date	When counts are carried out
Variety	Blueberry Variety for which data is collected eg Eureka
Location	Identifies position of marked plants in a row: Middle, End, or Centre
Tunnel	Identifies position of marked plants; Tunnel 1, 2, 3 etc
Plant	Individualises each plant with a unique ID number. Use 15 plants for the first hectare and add 9 more for each additional hectare
Rep	Group of 3 plants in the same location
Area Planted	Area occupied by all varieties (Hectares)
Number of Plants	Planting density; total number of bushes in the area planted
Description of Terms	
Mainstems	Brown, grey or red scaly stems > 10mm diameter
Fruit Terminals	Total number of fruit shoots over the entire bush. Identify fruit terminals by the swoller fruit buds in the axils of the leaves. 

Fruit Buds per Terminal	Average number fruit buds on each terminal Count buds on 5 terminals and calculate average	
Flowers per Fruit Bud	Number of flowers in each fruit bud This example has 5 flowers emerging from one bud Count all buds and flowers on 5 terminals and calculate average number of flowers in each fruit bud Label these terminals	
Fruit per Bud	Numbers of green fruit per bud Count all green fruit on each bud over the 5 terminals labelled previously. Calculate the average number of fruits per bud from all these buds.	
Berry Weight	Average weight of each individual berry in a random 50 fruit sample from one plant	
Calculations	Auto-filled in the spread sheet	
Percentage fruit set	Calculated after pollination. For each fruit bud, fruit set is the number of green fruit per bud divided by the number of flowers per bud expressed as a percentage.	
Kilo's per plant	Number of fruit terminals per plant X average number of fruit buds per terminal X number of flowers per bud X percentage pollination X berry weight (g) divided by 1000	
Fruit Loss	After grading = 20% (default setting)	
Production Trays/Ha	Calculated for individual growers from the planting density	

DISCLAIMER: Every care is taken that the information provided is accurate and represents the most up to date practice from both published material and practical experience. However, BerryCo NZ Ltd and Miro Ltd Partnership or any of their employees accept no liability for any act or omission that may lead to loss, damage or injury from this information. We encourage seeking back-up advice from a suitably qualified person and making small trials of specific treatments prior to treating larger areas.