PROJECTED YIELDS OF BERRIES GROWING IN WARM CLIMATES

A. Berry Plant Production:
   1. Prepare soil to obtain the desired ph, loose soil texture for oxygen, water, and nutrients.
      a. In heavy or low organic soils, incorporate an organic soil amendment.
      b. Form a hill with the mixed soil amendment 15 to 22 cm. high and 60 to 75 cm. wide for drainage.
   2. Install drip irrigation for irrigating and fertilizing.
   3. In climates without chilling hours (0 to 7 C), plants will grow vegetatively, (evergreen) and are capable of yielding fruit almost month of the year.
   4. In climates with sufficient chilling hours (0 to 7 C), plants will go thru natural dormancy during this period. Once the dormancy period is final, the plants will resume growth and flower. From flower to ripe fruit, the average ripening date is 45 to 60 days depending upon the plant cultivar and type.

B. Growing plants evergreen
   1. Plants of evergreen will yield fruit during a time when the grower schedules the desired time.
      a. Schedule fruit production before the dangers of extreme rains. If this is not possible, it is recommended to grow the plants in a protected greenhouse (tunnel).

C. Blueberry Growing Evergreen
   1. Plant size 15 to 25 cm. and 25 to 45 cm. branches.
   2. First harvest 18 months after planting.
   3. Yield of 1.25 kilo per plant.
   4. Second harvest 12 months after the first harvest.
   5. Yield of 3 -3.5 kilo per plant.
   6. Third and future harvests will occur 12 months after the previous harvest season with the same yields of 3 to 3.5 per plant.
   7. Plant sizes less than 15 cm. branches will yield 18 months after planting.
   8. Yield of 0.25 to 0.5 kg per plant
   9. Second harvest 12 months after the first harvest.
   10. Yields of 2 – 3 kilo per plant.
   11. The third and future harvest will yield 3 to 3.5 kilo per plant 12 months after the previous harvests.
   12. Longevity of optimum yields per plant are 8 to 10 years.

D. Red Raspberry Primocane types for growing Evergreen.
   1. Plant size 2 ½ inch container grown 7 to 15 cm. branches.
   2. First harvest 3-4 months after planting.
   3. Yield of 1 to 1.25 kilo per plant.
   4. Second harvest 4-6 months after first harvest
   5. Yield of 3.0 kilo per plant.
   6. Third harvest and future harvests 1.5 to 2.0 per plant.
   7. Longevity of optimum yields per plant is 5-6 years.

E. Blackberry
1. Plant size 2 ½ inch container grown 7 to 15 cm. branches
2. First harvest 6 months after planting.
3. Yield of 2 kilo per plant.
4. Second Harvest 12 months after first harvest.
5. Yield of 3 to 6 kilo per plant.
6. Third harvest and future harvest 5-6 kilo per plant.
7. Longevity of optimum yields per plant in 6-8 years.

F. Black Raspberry (Loganberry)
1. Plant size 2 ½ inch container 15 cm. branch.
2. First harvest 6 month after harvest.
3. Yield per plant 1.0 to 1.5 kilo per plant.
4. Second harvest 12 months after the first harvest.
5. Yield of 2.0 to 3 kilo per plant.
6. Third harvest and future harvests 12 months after the previous harvests 3 to 4 kilo per plant.
7. Longevity of optimum yields per plant is 6-8 years.

G. Comments:
   1. The plants of Raspberry, Blackberry, and Black Raspberry require a dormant period.
   2. To encourage a plant into dormancy several functions can be used.
      a. Refrain from irrigation. (This method is not preferred for the best results)
      b. Apply a chemical Dormax or high rate of Nitrogen to the plants at a stage after harvest and bud and lateral set. The chemical will encourage the plants to rest and resume growth 2 to 4 months after the application of the chemical. (This method is used with success.)
      c. Place the plants in a cool room with temperatures 0 to 7 C for 1,000 to 2,000 hours if growing the plants in a container after harvest and bud set. (This method is used with good success)