Cultural Practices and Pest Management of Small Fruits

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Strawberry Types

- **June-Bearers**
  - spring crop

- **Day-Neutrals**
  - spring and fall crop

- **Ever-Bearers**
  - no longer recommended
Springbearing Strawberries

Early Season
- ‘Earliglow’
- ‘Northeaster’
- “Avalon”

Midseason
- ‘Delmarvel’
- ‘Allstar’
- ‘Latestar’

Late Season
- ‘Sparkle’
- ‘Lateglow’
FULL BLOOM

30 days

FRUIT
Recommended Varieties of Day-Neutral Strawberries

- ‘Tribute’
- ‘Tristar’

Advantages
- Multiple crops
- Treat as “annual”
- Nice Flavor

Limitations
- Fruit size and set in heat
- Small fruit size
Strawberry Renovation

**Purpose:**
- Invigorate
- Disease management
- Weed management

**Steps:**
- Mow
- Thin/roto-till
- Fertilize
Gray Mold/ Leather Rot Control

- Narrow rows
- Keep berries picked
- Raised beds
- Mulch under fruit
  » Prevent splashing
- Spaced rows
- Fungicides @ bloom
Bramble Culture and Management

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# Red/Black Raspberry Components

<table>
<thead>
<tr>
<th>Cultivar</th>
<th>ORAC$^1$</th>
<th>Ellagic$^1$ Acid mg/g</th>
<th>Vitamin$^2$</th>
<th>Fiber$^2$ Total Dietary</th>
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</thead>
<tbody>
<tr>
<td>Black</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bristol</td>
<td>303-364</td>
<td>0.52</td>
<td>50</td>
<td>10</td>
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<tr>
<td>Jewel</td>
<td>415-451</td>
<td>0.39</td>
<td>70</td>
<td>10</td>
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<td>Red</td>
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<td></td>
<td></td>
<td></td>
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<tr>
<td>Caroline</td>
<td>213</td>
<td>0.30</td>
<td>380</td>
<td>152</td>
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<tr>
<td>Heritage</td>
<td>53-90</td>
<td>---</td>
<td>280</td>
<td>115</td>
</tr>
</tbody>
</table>

$^1$Brunswick Laboratory – 2001  
$^2$Covance Laboratory – 2001
What Is A “Bramble”? 

- Any plant belonging to the genus *Rubus*
- Member of the rose family (Rosaceae) 
  - Close relatives include strawberry and rose 
  - More distant relatives include apple and pear 
- Brambles have perennial crowns with biennial shoots 
  - 1\textsuperscript{st} year *primocanes* grow vegetatively 
  - 2\textsuperscript{nd} year *floricanes* bear fruit and die
Bramble Culture and Management

Bramble Types

• Floricane Raspberries
  - Red, Purple, Gold, Black
  • Early summer harvest
• Floicane Blackberries
  • Mid-summer harvest
• Primocane Raspberries
  - Red, Gold
  • Late summer – Fall harvest
Prepare the Site

- Create raised beds to improve drainage
- Remove any wild brambles and wild (multiflora) roses within 500 to 1000 feet
- When replanting, consider crop rotation to reduce populations of soilborne pathogens and nematodes
Bramble Culture and Management

Summer-Bearing Red Raspberry Varieties

• Early

• Mid-Late
‘Reveille’
‘Lauren’
Bramble Culture and Management

Floricane Bearing Purple Raspberry Varieties

- ‘Royalty’
  » Red or purple
- ‘Brandywine’
Bramble Culture and Management

Floricane Bearing Black Raspberry Varieties

- ‘Bristol’
- ‘Jewel’
- ‘Haut’
Thornless Blackberry Cultivars

- Semi-Erect
  - ‘Chester’
  - ‘Black Satin’
  - ‘Hull’
  - ‘Dirksen’
  - ‘Thornfree’

- Semi-Erect
  - ‘Navaho’
  - ‘Arapahoe’
Bramble Culture and Management

Floricane Bearing Thorny Blackberry Varieties

- ‘Choctaw’
- ‘Black Butte’
- ‘Kiowa’
- ‘Chickasaw’
- ‘Shawnee’
- ‘Illini Hardy’
- ‘Chesapeake’
Primocane Bearing Red Raspberry Varieties

• Early
  ‘Polana’ ‘Jaclyn’ ‘Autumn Britten’ ‘Caroline’

• Mid-Late
  ‘Josephine’, ‘Heritage’, ‘Deborah’

• Golden
  ‘Anne’, ‘OAY-F1’
‘Jaclyn’
Jaclyn Caroline with ‘Caroline’
‘Josephine’
Types of Bramble Propagules

- Dormant sucker
- Tip-layering
- Tissue-cultured
T-Trellis

TWINE

3'

4'

3'
4-wire horizontal trellis or "wide-topped" trellis with canes trained in an inclined fan pattern. Fruiting shoots on the outward slanting canes tend to dangle downward for easy visibility.
Red Raspberry

Before winter pruning

After winter pruning
Black Raspberry

Before winter pruning

After winter pruning
Thornless Blackberry

Before winter pruning

After winter pruning
No Nation is drunken where wine is cheap, and none sober, where the dearness of wine substitutes ardent spirits as the common beverage...

Thomas Jefferson