

# RASPBERRIES

## THINGS TO CONSIDER OR DO BEFORE PLANTING, DURING PLANTING AND AFTER PLANTING

### Site (Soil)

Full Sun 8 hours of uninterrupted light  
Check Soil for Rocks, Gravel, or Sand streaks  
Identify weeds on site both annuals and perennials  
Look for evidence of Rodents such as Mice, Voles, Gophers, and Squirrels  
Take soil samples, use a Lab in the West such as USU, BYU, Western Lab, or Stukenholtz  
Plow or disc or rototill site before ordering plants

### Irrigation System (Water)

Plan and install irrigation system before plants arrive (get help if necessary)  
Do not rely on district water (canal water)  
Use a drip Irrigation system - avoid sprinklers which increase weed and disease pressure.  
(If possible irrigate site the summer before planting and spray weeds the fall before ordering plants.)

### Plants / Planting

Floricane and Primocane growing systems - know which system you prefer to grow.  
Order plants from a commercial nursery in November or December before planting.  
DO NOT dig suckers from a friend.  
Have Soil (beds) ready before plants arrive.  
Have Irrigation system installed and ready before plants arrive.  
Mark rows and dig planting trench 4-6 inches deep either at or before planting.  
Water prepared trench before planting.  
DO NOT let plants dry out during planting.  
DO NOT plant berry plants TOO DEEP - only 2 INCHES (MAX) soil above roots.  
Stretch roots lengthwise in trench.  
Firm soil around plant crown and above roots (DO NOT PACK SOIL).

### After Planting

Water plants well to help soil settle around roots. KEEP WET.  
Clip canes to about 2 inches or less after soil settles.  
DO NOT FORGET YOUR RASPBERRY PLANTS CHECK ON THEM DAILY AFTER PLANTING.  
Fertilize new berries at  $\frac{1}{2}$  typical rate in JUNE.

### End of Season

After a good hard freeze, mow Primocane (everbearing) raspberries down to about 2" tall. With floricane berries thin out or prune the spent canes in the spring. Be sure to rake and discard all clipped canes. There are many Utube videos of pruning floricanes. A good one is by David Handley of the Maine Extension.

### Fertilizer N-P-K

The second year and all following years, fertilize in early spring and before bloom.  
Use a rate of 2.5 lbs. of Nitrogen per 100 feet of row in early spring. (That's about 2 T. per plant sprinkled around the plant.)  
And 2.5 lbs. of Nitrogen per 100 feet of row in early June.

Ammonium Sulfate 21-0-0 24 S, Urea 42-0-0

General purpose Fertilizer 16-16-8 20-20-20 21- 6- 20, etc.

Liquid fertilizers 8-8-8 3-18-18 10-0-0-6 Fe etc. Many others

Iron Chelate 6% Iron deficiency is common in Utah (Treat early in Spring)

## **INSECTS**

Raspberry Horn tail

Spider mites (two spot or red)

Crown Borer

SWD (Spotted Wing Drosophila) \*

Stink bugs (Green and Marmorated) \*

General insects: earwigs, wasps, box elder bugs, grasshoppers, slugs and snails etc.

## **Fungi / Bacteria/ Virus**

Powdery mildew (Yellow berries) after rain or hot humid days

Gray mold Botrytis (Yellow or red raspberries, and blackberries following wet weather).

Phytophthora root rot (Keeping soil too wet)

Pseudomonas syringe Bacterial disease late season following cool wet weather

Tomato ring spot / Crumble berry (Virus) Planting in the same rows as tomatoes or the year following tomatoes, or infected berries

## **Weeds**

Weed control will cost more money than any pesticide spray.

Annuals and Perennials compete for water and nutrients in Raspberries.

Use soil active sprays in fall and spring for annual weeds, and contact sprays for perennial weeds in season.

## **Marketing Berries (determine before you plant your berry patch)**

Fruit stand of your own

Sell to Fruit stands

Farmer Markets

Make Jams, Jelly, and Syrup (Need Commercial Kitchen Certification and recipe) \*

Grocery Stores (GAP certified) \*

Pick your own - be brave!

**Remember you will need pickers, buckets, a sorting table, scale\*, flats, cups, a cooler and bees. Something to spray with and a heavy duty mower to mow your berries.**

\*SWD could become our worst pest

\*Marmorated Brown Stink Bug is a new destructive pest in Utah.

\*The Health Department inspects and certifies Commercial Kitchens

\*GAP, Good Agricultural Practices, certification comes through the Department of Agriculture

To comply is very involved and expensive \$.

\*Scale will need to be certified by the county or licensed company

## Nursery List

Nourse Farms	<a href="http://www.noursefarms.com">www.noursefarms.com</a>
Ken M. Spooner Nursery	<a href="http://www.spoonerfarms.com">www.spoonerfarms.com</a>
Sakuma Brothers	<a href="http://www.sakumabros.com">www.sakumabros.com</a>
Hartman Plant Company	<a href="http://www.hartmanplantcompany.com">www.hartmanplantcompany.com</a>
Cornell University	<a href="http://www.nysaes.cals.cornell.edu">www.nysaes.cals.cornell.edu</a> (Nursery Guide for small fruit crops)
Utah State University	Brent Black* <a href="mailto:www.brent.black@usu.edu">www.brent.black@usu.edu</a> Small Fruit Specialist Utah State University (435) 797-2173

## Chemical information web sites

CDMS.net	Labels, Safety data sheets, and Chemical Companies web sites
<a href="http://lpm.ucanr.edu/">lpm.ucanr.edu/</a>	University of California IPM (integrated Pest Control Management)
Green book	<a href="http://www.greenbook.net">www.greenbook.net</a> click on manufactures then labels
Utah State University	<a href="http://www.utahpests.usu.edu/ipm">www.utahpests.usu.edu/ipm</a>

## Organic Listings

Omri	<a href="http://www.omri.org">www.omri.org</a>
Washington State Organic	<a href="http://www.agr.wa.gov">www.agr.wa.gov</a>
California Organics	cdfa Organic Registrations
USDA	usda Organic Registrations

## Companies in Utah to get Chemical supplies

Steve Regan	Spanish Fork, Salt Lake
IFA	Provo, American Fork, Spanish Fork
Cal Ranch	Spanish Fork, American Fork

## Companies to get Irrigation supplies

Sprinkler Supply Spanish Fork	<a href="http://www.sprinklersupplyco.com">www.sprinklersupplyco.com</a>
Mountainland, Orem	<a href="http://www.mountainlandsupply.com">www.mountainlandsupply.com</a>
Berryhill Irrigation Supply	<a href="http://www.berryhilldrip.com">www.berryhilldrip.com</a>

## General Supplies

Buckets, plastic goods, packing materials, flats, cups, signs, etc.

Indiana Berry & Plant guide	<a href="http://www.indianaberry.com">www.indianaberry.com</a>
HR Spinner Company	<a href="http://www.hrspinner.com">www.hrspinner.com</a>

## Contact information

Wayne McBride  
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