IPEORCHARD Case study Case study

arc550

Regional Graduate Architecture Studio

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contents

Lipe's location

Background

Produce

Facilities

Unique Characteristics

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LOCATION and **BACKGROUND**

3925 South Illinois Avenue | Carbondale | Illinois

4TH Generation orchard

owners

Sara and Rose Lipe

produce peaches | apples | pears | nectarines | peppers | squash | beans | cucumbers

repurposing food waste

pickles | jams | jellies | peach pies feeds local wildlife | sells to cider and apple vinegar makers | sells branches and wood chips from trees

threats

Japanese beetles possums | raccoons | deer | squirrels | birds

varieties of produce

15 kinds of peaches

12 kinds of apples

Santa Rosa plums

Benoni apples - an heirloom variety

Green beans

Yellow wax beans

New potatoes

Peppers - Bell, Gypsy, Jalapeno,

Hungarian Wax

Eggplant

Cabbage

Green onions

Squash - Zucchini, Yellow and Pattypan

Garlic

Arugula

Oregano

Peppermint

Lemon balm

English thyme

Honey

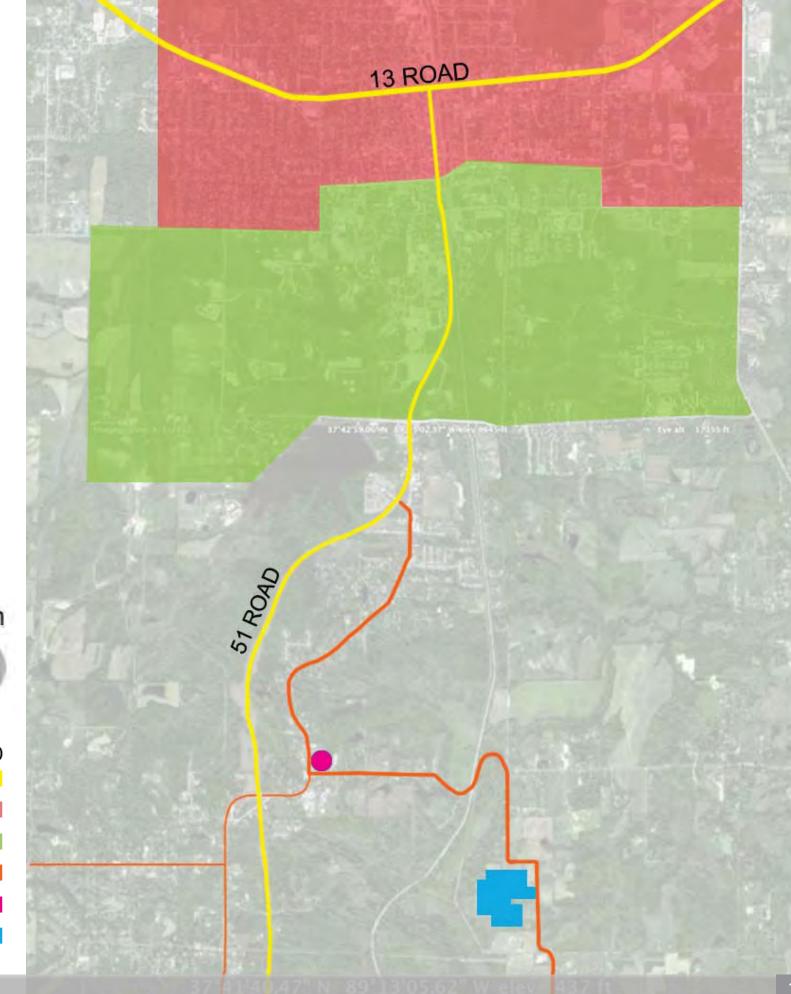
Grilling wood





Lipe Orchard

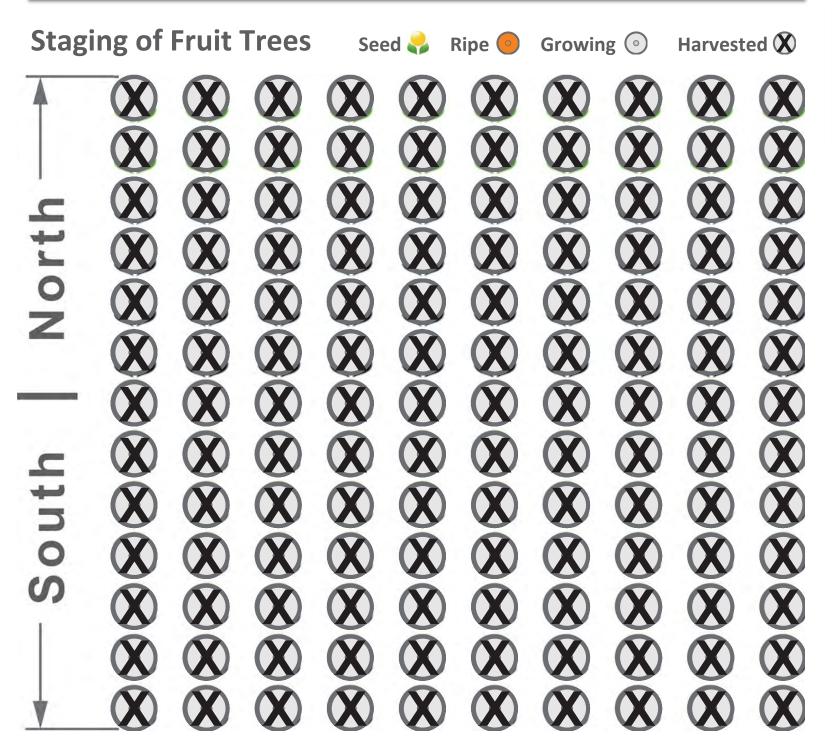




LIPE OCHARD

SPECIES SELECTION

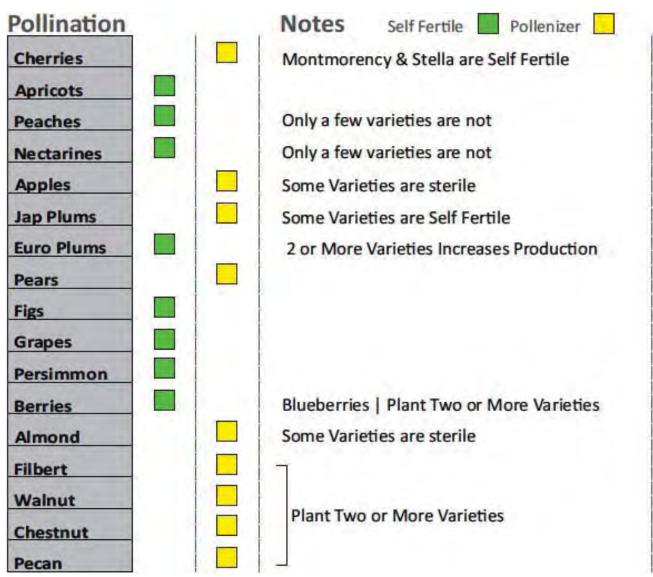
It is important to plant and harvest your crops in stages so as they produce and grow continuously. This also helps to maximize profits and availability.



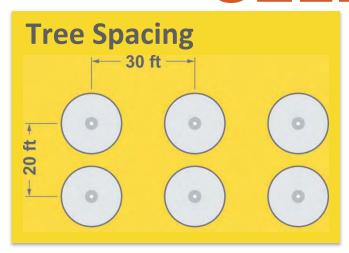


Division of Agricultural Sciences and Natural Resources http://pods.dasnr.okstate.edu/docushare/dsweb/ApplySimpleSearch





SELECTION



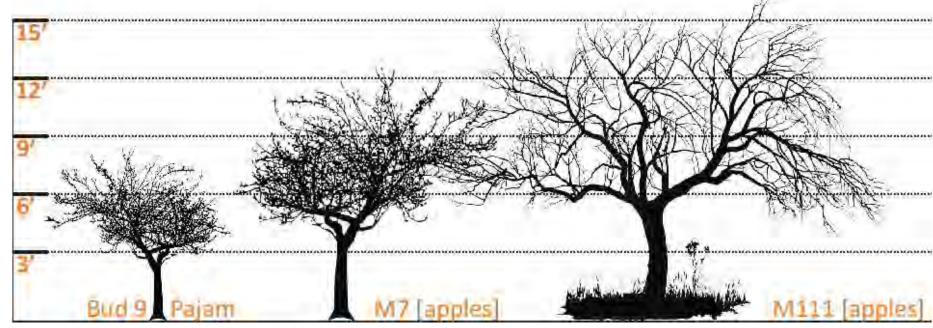
A Width of 30ft between rows allows for easy movement of equipment that will be moving in and out between the fields. This also ensures your produce isn't harmed in the process.

Tree Sizing | Choosing the Right Tree

Apples			
Rootstock	Planting distance	Final height	Size
MM106	8-12 feet	12 feet	medium
M26	5-7 feet	9 feet	
M9	4-6 feet	8 feet	
M27	3-5 feet	6 feet	small
Pears			
Quince A	8-12 feet	12 feet	medium
Quince C	6-10 feet	8 feet	medium
Plums, greengages			
St. Julien A	8-10 feet	12 feet	medium
Pixie	7-9 feet	8 feet	medium
Cherries			
Colt	8-10 feet	10 feet	medium
Gisela 5	4-7 feet	6 feet	medium-small
Peach, apricot, nectarine			
St. Julien A	10-12 feet	10 feet	medium

SECONDS FIRSTS There is usually a 9:1 margin of firsts to seconds. Seconds are most normally used unless they are infested or badly rotten. 10%

Height of Common Tree Varieties



Relative Ripening Dates | Fruit and Nut Varieties

