**Nursery Structures Matching 3.01, P:1**

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| **Hot Bed** |  |  |
| **Cold Frame** |  |  |
| **PNP** |  |  |
| **Container** |  |  |
| **Field Grown** |  |  |
| **Winter Protection** |  |  |
| **1) Plants are easy to move and transport.****2) Grown to sellable size in the container.****3) Less shock to plants.****4) Retailers can keep plants longer before selling.****5) Uniform soilless media.****6) Insects, diseases, fertility and pH are easier to control.****7) Monitoring of water intake is easily controlled.****1) Requires more water.****2) More labor intensive.****3) May become pot bound.****4) May require winter protection.****5) May have a higher start-up cost pots, potting media.****6) Plants may have to be moved to a larger container.****7) May be expensive to ship.** | http://images.plantcaretoday.com/wp-content/uploads/garden-hotbed-43020151442.jpg |
| **1) No staking.****2) No blown over containers.****3) Cooler roots in the summer.****4) Well insulated root system in the winter.****5) Easy to move and transport.****6) Is becoming a more viable option to the traditional field grown.****7) Combines the benefits of field production with the marketing flexibility of container production.****1) Startup cost is expensive largely due to field preparation and purchasing two containers for every plant as opposed to one. 15-25 gallon pots are more commonly used.****2) Labor costs.** | http://img.diynetwork.com/DIY/2009/07/06/DFFG113_cold-frame-complete_s4x3_lg.jpg |
| **1) Plants are grown directly in native soil.****2) Bare root plants are easy to handle and plant.****1) Requires equipment to be harvested.****2) Plants may go into shock when moved or transplanted.****3) Harder to control insects, diseases, fertility and pH.****4) Soil must be well drained.****5) Limited time to harvest.****6) Supply cost, liners, supplies burlap, wire baskets, twine, and pinning nails.****7) Expensive shipping** | http://www.jeffriesnurseries.com/pip7.JPG |
| **a. Need painting or replacing over time.****b. Plastic covering will need to be replaced on a regular basis.****c. Replacement of gravel and weed block.****d. Debris removal.** |  |
| **a. Change out heat source (straw, hay, manure).** **b. Pest control.****c. Cover replacement.****d. Debris removal.** | http://www.mapleleavesforever.com/wp-content/uploads/2016/03/BallBurlap.jpg |
| **Frost blanket.****1) Traps and collects heat during the day and releases it at night to keep your plants warm and growing.****2) In the spring it gives you a jump-start on plants and wards off pests.****3) In fall, use it to extend your growing season.****4) Float or drape the lightweight fabric over your plants.****Water (bud protection).****1) Spray water on buds before a freeze.****2) Often used on fruit trees and strawberries.** **White plastic.****1) Reduce overwintering injury to woody ornamentals.****2) Protects young plants in early spring.** | http://blog.savatree.com/wp-content/uploads/Plant_nursery_pot_rows.jpg |