Cold Frames

If you decide to use a cold frame, here are some tips to get the most from it:

- More sun will reach growing plants.
- side so it catches more sun.
 - Paint the inside wood of the cold frame white to help reflect sunlight to the plants.
 - Vent the cold frame to keep

The highest you'll want to let the temperature get is 80 degrees. But don't let the temperature drop too low either. The soil under the cold frame needs to absorb enough heat to keep plants

warm at night. An automatic opener will help tremendously, especially if you work and can't be there to open and close the lid.

- warm air can seep out.
- frame. And it can chill the seedlings.
- Finally, a tip from a reader for those

But be careful. Place the candles away from leaves that might be hanging over the pot and from any combustible materials in the cold frame, such as straw, sawdust or the walls of the frame or your house.

- Orient the frame so it runs east to west.
- Make the frame lower on the south
 - - it from getting too hot. Venting also reduces dampness, which helps keep foliar diseases at bay.

• Keep an eye out for air leaks where

- Irrigate with water that's at least as warm as the soil. Cold water will cool the soil and reduce the effectiveness of the cold
- extra-cold nights: Place small votive candles inside the frame, using one candle for every 2 square ft. of space. The candles burn for hours, protecting plants until morning.

— Marilyn Rogers

▲ This portable cold frame can be built in a day but should last forever. For best results, paint or stain the wood. See the plan on the next page.

giant cloche.

mostat-controlled vent windows and heat-

ing units. In this case, the frame almost acts

as flexible as some gardeners would like.

You may prefer a lightweight, portable

frame, which you can take into the garden

and use as a combination soil warmer and

the garden seven to 10 days before you wish

to plant, letting the frame warm the soil.

Then, with it in place, plant your crop di-

rectly into the frame. Remove the frame

eral sources. Or you can put together a few

low-tech versions. For example, you can

stack bricks or bales of straw in a square

Portable frames are available from sev-

To use it as such, place the cold frame in

However, such a permanent frame is not

like a miniature greenhouse.

when weather stabilizes.

and cover them with glass.

Cold frames

A terrific way to extend the gardening season is with a cold frame. These can be used to warm the soil, grow plants as in a minigreenhouse or to protect plants like a giant cloche. They're also good for holding flats of seedlings you've started or plants that arrived too early to set out.

You can construct a cold frame that's nearly as warm as a greenhouse. By locating it near the wall of a heated building, insulating its walls, sinking the foundation in the soil and using a double-glazed top, cool-season vegetables could grow in your cold frame all winter in mild areas. Adding heating coils or using manure to warm the soil turns the frame into a hot bed and extends its winter usefulness into colder areas.

You can get as elaborate as you want with your cold frame. For example, you

can use automatic, ther-

You can make a box and cover it with an old storm window for a lid. You can attach plastic window-well covers to a hinged frame (see photo). Or make the Garden Gate cold frame shown above. For complete construction details, write to the Cold Frame Editor at Garden Gate, 2200 Grand Ave., Des Moines, IA 50312. We'll be glad to send them to you.

Two window-well covers can be nailed to a hinged 2 x 4 in. frame to make a simple and inexpensive cold frame.

Sources

Gardener's Supply Co., 128 Intervale Rd., Burlington, VT 05401-2804. 800-444-6417. Row covers. cloches.

Harris Seeds. P.O. Box 22960. Rochester, NY 14692-2960. 800-514-4441. Cold frames, cloches, plastic, row covers.

Ken-Bar Inc., P.O. Box 504, Reading, MA 01867. 800-336-8882. A list of distributors for T-518 row covers.

A.M. Leonard, Inc., P.O. Box 816, Piqua, OH 45356. 800-543-8955. Cold frame, plastic. Walt Nicke Co., P.O. Box 433, Topsfield, MA 01983. 508-887-3388. Cold frames.

