

Straw Bale Gardening Basics

Easy access is one benefit of gardening in bales. Straw bales vary in dimension, but the 20-24" height makes planting and harvesting easier. For anyone with a bad back or other disability that makes getting down on the ground difficult, the straw bale's raised height means everyone can enjoy gardening.

Bad soil or no soil...not a problem-Bales can sit on any surface because the plants root into the bales.

No weeding is one of the biggest advantages of straw bale gardening. Since clean straw has very few weed seeds in it, the bales will not sprout weeds.

"Conditioning" the straw prior to planting is an important part of the process.

Nitrogen fertilizer and water are used to encourage the bacteria growth inside the bales; this begins to decompose the straw inside the bale and turns it into "soil" that allows

the newly planted seedlings to thrive. This



conditioning schedule is conducted over a 12 day period-see table to left with sample temperature range over 12 days. >>>>>>>>

Bales decompose after heating up early in spring when nitrogen is added. The heat generated inside the decomposing bales acts like a heater in a greenhouse. The bales, once wet, can get up to 150° inside, but after 10-12 days they will cool down to

under 100° and can then be planted. Each spring fresh bales are required to take advantage of this heating and cooling process.

Mice/Voles aren't an issue as they tend to find the wet, hot and



decomposing straw very inhospitable for living quarters, and straw has almost no food value.

Potted seedlings can be planted directly into the bales. Or, if planting with vegetable seeds, then a 1-2" coating of clean, weed seed free, potting mix spread over the surface of the bale is required to form a seed bed. Once planted, it is easy to cover the bale with 3 mil polyethylene plastic, tucking it under the bale strings on the sides, and feeding the poly over the first wire stretched 10" above the bale surface. This makes a little "straw bale greenhouse," enabling the seeds to sprout and grow rapidly. Besides holding in heat from the decomposing straw below, the poly tent also keeps heavy spring rains from washing away the tender seedbed, and keeps rabbits or deer from eating the new seedlings.

Tomatoes, potatoes, pumpkins and cucumbers are just some of the hundreds of vegetable crops that grow extremely well in the straw bales. Use the resulting compost the following spring to mulch perennials, enhance existing garden soil, spread around trees and shrubs, or to fill containers for patio flowers.

To learn more about straw bale gardening, visit www.strawbalegardens.com or www.facebook.com/LearnToGrowAStrawBaleGarden. or <http://extension.wsu.edu/benton-franklin/wp-content/uploads/sites/27/2013/12/Straw-Bale-Gardening.pdf>

Conditioning Schedule

Day 1	1/2 cup 26-0-0	Water to saturation
Day 2	Skip	Water to saturation
Day 3	1/2 cup 26-0-0	Water to wash in fertilizer
Day 4	Skip	Water to saturation
Day 5	1/2 cup 26-0-0	Water/warm is best
Day 6	Skip	Water/warm is best
Day 7	1/4 cup 26-0-0	Water/warm is best
Day 8	1/4 cup 26-0-0	Water/warm is best
Day 9	1/4 cup 26-0-0	Water/warm is best
Day 10	1 cup 16-16-16	Water to wash in fertilizer
Day 11	Skip	Water
Day 12	Skip	Ready to plant

CONDITION DAY	Outside Temp		BALE Date	SNAIL Temp (F)
	High	Low		
1	55	50	20-Apr	80
2	62	46	21-Apr	82
3	59	51	22-Apr	94
4	55	50	23-Apr	100
5	53	44	24-Apr	100
6	55	41	25-Apr	118
7	55	44	26-Apr	116
8	51	46	27-Apr	116
9	57	46	28-Apr	128
10	55	50	29-Apr	134
11	57	41	30-Apr	118
12	80	44	1-May	112

