



Safe Haven Llama & Alpaca Sanctuary, Inc.

Take the "LEAD": Learn, Enjoy, Activities, Donate

Safe Haven Llama & Alpaca Sanctuary is a 501(c)(3) nonprofit organization

Visit us at: www.safehavenlas.org

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The Scoop on Llama & Alpaca Poop

Organic fertilizers are usually lower in nutrient content than synthetic fertilizers-so more needs to be applied to get the same amount of nutrients. For example, llama/alpaca manure would be about 1.5-0.2-1.1 versus the 20-10-5 of synthetic fertilizer.

Animal Manure Comparison			
Animal	%N Nitrogen	%P Phosphorus	%K Potassium
Llama/Alpaca	1.7	0.69	0.66
Chicken	1.0	0.8	0.4
Horse	0.7	0.25	0.55
Sheep	0.95	0.35	1.0
Cow	0.6	0.15	0.45
Pig	0.5	0.35	0.4

Courtesy of High Desert Organic Gardeners
HiDOG of Silver City & Grant County New Mexico

Llamas and alpacas have a special digestive system that is different from that of cows, horses, sheep, etc. It causes their manure to be high in nitrogen, phosphorus and potassium which is excellent for plants, yet it does not have to be aged before you can apply it to plant roots. Most other types of livestock manure have to be aged first or it will burn the roots. You can apply llama and alpaca manure directly to your plants fresh or dry, without any odor issues or risk of burning the roots.

- **Planting Trees:** dig hole; add up to 3-4 shovels of manure; fill with dirt; put manure around base of tree; keep watered and tree will be fertilized effortlessly; (use 1-2 shovels of manure for shrubs)
- **Gardens:** mix compost of manure/straw and till into soil; till again in fall with more llama manure
- **Lawn:** use spreader to fertilize with decomposed llama manure – water and it will green up fast!

BEAN TEA: For houseplants, as well as heavy feeding crops, such as broccoli, cauliflower and cabbage, try brewing up a batch of "Bean Tea." Add a 1 gallon bag of beans to 4 gallons of water for houseplants (or a shovelful of pellets to a large container of water for crops) and let it brew for several hours or overnight. Warm water works best. The Bean Tea should look like regular coffee, not espresso! Pour it directly around the roots of transplanted seedlings, heavy feeders and houseplants for immediate results.

- **Deer Repellent:** Sprinkle Bean Tea directly onto outdoor plants to keep those pesky deer away!