

**Carbon-to-Nitrogen Ratios and the N-P-K of Compostable Materials**

**NITROGEN CONTENT AND CARBON-TO-NITROGEN RATIOS**  
**for Waste Materials**

<b>Material</b>	<b>Nitrogen(%of total weight)</b>	<b>Ratio of Carbon to Nitrogen(C;N)</b>
Activated sludge	5-6	6:1
Alfaalfa	2.4-3	16-20:1
Blood	10-14	3:1
Bone meal	*	3.5:1
Bread	2.10	*
Buttercup	2.2	23:1
Cabbage	3.6	12:1
Carrot,whole	1.6	27:1
Clover,red	1.8	27:1
Cocksfoot	2.55	19:1
Cottonseed meal	*	5:1
Fern	1.15	43:1
Fish scrap	6.5-10	5.1:1
Garbage,green	3	18:1
Garbage,raw	2.15	25:1
Kentucky bluegrass	2.4	19:1
Lawn clippings,young	4	12:1
Lettuce	3.7	*
Manure,farmyard	2.15	14:1
Manure,chicken	3.2	7:1
Manure,cow	1.7	18:1
Manure,horse	2.3	25:1
Manure,human	5.5-6.5	6-10:1
Manure,pig	3.75	*
Manure,poultry	6.3	15:1
Manure,sheep	3.75	*
Manure,steer	1.35	25.3:1
Meat scraps	5.1	*
Miloganite	*	5.4-1
Mustard	1.5	26:1
Newspaper	.05	812:1
Oat straw	1.05	48:1
Onion	2.65	15:1
Peanut hull	*	11:1
Pepper	2.6	15:1
Pigweed	3.6	11:1

<b>Material</b>	<b>Nitrogen(%of total weight)</b>	<b>Ratio of Carbon to Nitrogen(C;N)</b>
Potato tops	1.5	25:1
Purslane	4.5	8:1
Ragwort	2.15	21:1
Sawdust,raw	.11	511:1
Sawdust,rotted	.25	208:1
Seaweed	1.9	19:1
Sewage,fresh	*	11:1
Slaughterhouse wastes	7-10	2:1
Soybean meal	*	5:1
Timothy grass	.85	58:1
Tobacco	3	13:1
Tomato	3.3	12:1
Turnip tops	2.3	19:1
Urine	1	44:1
Vegetables,non-legum	2.54	11-19:1
Wheat flour	1.7	*
Wheat straw	.3	128:1
Wood,white fir	.06	767:1

\*no data

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