

COMBUSTION OF WASTE MATERIAL FROM AGRICULTURE AND FORESTRY

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Herbs:

Phenolic compounds ^α	>	<	Anhydro-hexoses	>	<	<u>n-Alkane-carboxylic acids</u>
C₆ – C₁₂			C₆			C₈ – C₃₂
10 - > 70%			4- 45%			> 15-25%
3 - > 90 mg kg ⁻¹			0,2 - > 400 mg kg ⁻¹			0,7 - > 200 mg kg ⁻¹

Decidus Trees:

<u>n-Alkane-carboxylic acids</u>	>	n-Alkanes	>	Phenolic compounds ^α
C₈ – C₃₂		C₁₄ – C₃₅		C₆ – C₂₀
50- 70%		> 10- < 20%		4- 5%
80 - > 700 mg kg ⁻¹		20 - > 200 mg kg ⁻¹		5 - > 100 mg kg ⁻¹

Conferous Trees:

Diterpenoids*	>	<u>n-Alkane-carboxylic acids</u>	>	Phenolic compounds ^α
C₁₇ – C₂₉		C₇ – C₃₄		C₆ – C₂₀
30- 50%		15 - > 20%		10 – 12 %
20 - > 700 mg kg ⁻¹		5 - > 500 mg kg ⁻¹		5 - > 200 mg kg ⁻¹