Hemp (Cannabis sativa)

- In countries where hemp is grown, hemp seeds are used in cattle and poultry feeding, as a concentrated energy feed. Concerning pig and poultry feeds, the very low digestibility of the fibre component of hemp oilcake, limits its use in these species.
- The oil cake has been used in fattening cattle (up to 3 kg per day) and adult sheep (0.5 kg per day). It is an excellent natural source of rumen-undegradable protein that is equivalent to heat-treated rapeseed meal. When substitudes rapeseed meal, hemp seed oil meal included at 20% of diet DM, had no detrimental effects on feed intake or nutrient utilization by sheep.
- Hemp seeds have a high energy content, and due their low cost, are a traditional product for pet bird mixes. Seed-eating migratory birds are attracted to hemp fields at harvest time, and, in many countries, the seeds are being used as poultry feed.

Hemp (Cannabis sativa)

	Unit	seeds	Hemp oil meal (mechanical extraction)	Hemp oil meal (solvent extraction)
Dry matter	% as fed	90.6	91.9	88.7
Crude protein	% DM	23.9	32.3	39.2
Crude fiber	% DM	16.5	29.1	30.0
NDF	% DM	39.8	48.0	-
ADF	% DM	-	39.0	-
Ether extract	% DM	35.7	11.3	1.9
Lignin	% DM	-	13.2	10.5
Ash	% DM	5.7	8.1	19.4
Gross energy	MJ/kg DM	26.2	21.8	-
Calcium	gr/kg DM	6.1	2.8	-
Phosphorus	gr/kg DM	4.6	8.8	-
Magnesium	gr/kg DM	4.2	-	-
OM digestibility, ruminant	%	79.8	52.7	-
ME ruminants	MJ/kg DM	82.5	52.9	-
Nitrogen digestibility, ruminants	%	75.3	74.0	-