



Kaposvári Cukorgyár

MelaMix for Feeding Ruminants

MelaMix is produced with use of a by-product of the sugar production, molasses. Liquid molasses is enriched with feed glycerine during the technological manufacture process. Proportion of the feed glycerine in the products makes out 10, 20, 30 or 40 %, but it is also possible to produce a mixture of different proportion according to the individual needs of the animal keeper. The resulting final product is **MelaMix**, a liquid, which is easy to use and a hard-solidifying animal feed. **MelaMix** has all the advantages that can be achieved with molasses and besides, added glycerine to provide extremely fast energy intake. The most important properties of **MelaMix** are high dry matter content and high readily soluble sugar content (predominantly sucrose and small amount of fructose and glucose). The 4 - 6 % **Betaine** content of the molasses produced in Kaposvár gives a further favourable nutrition with a physiological effect.

MelaMix is an excellent application for cattle feeding:

- Provides a fast energy source through its high sugar and glycerine content to compensate for the lack of energy in the early stages of lactation
- Improves the taste of feed
- Increases the maximum amount of daily feed
- Has a beneficial effect on microbial protein synthesis
- The milk production increases
- Anti-ketogenic, relieving the liver function

MelaMix is particularly recommended in the following cases:

- When using NPN materials (e.g. urea)
- Bypass protein and fat sources
- In the case of higher feed rate of alfalfa silage and grass silage
- In the case of higher feed rate of dried corn

Beneficial effects of significant Betain content of MelaMix:

- Methyl donor, vitamin stabilizer
- Natural antioxidant
- Liver protection
- Osmoregulatory effect
- Appetizer

Recommendation of **MelaMix** for dairy cows during lactation is 1-1.5 kg/cow/day, for fattening beef 1-1.5 kg/fattening beef/day

Warnings

- The feed rate of **MelaMix** must not exceed 20 % of maximal feed doses!
- Unsatisfactory to use spontaneously (ad libitum), because it can cause acidosis in over-consumption!
- When feeding it, pay attention to the amount and ratio of the sugar and starch sources used in the feed additive!

The most important nutritional parameters of MelaMix:

	MelaMix 44	MelaMix 38 G10	MelaMix 32 G20	MelaMix 25 G30	MelaMix 20 G40
Dry matter (%)	64	63	63	61	63
Total sugars (%)	44	38	32	25	20
Polarization (%)	40	34	29	22	18
Feed glycerine ratio (%)	0	10	20	30	40
Betaine (%)	3,3	2,8	2,4	1,8	1,5
Crude protein (%)	9,8	8,4	7,1	5,4	4,4
Crude ash (%)	7,6	6,8	6,2	5,3	4,9
K (%)	2,8	2,3	2,0	1,5	1,2
Na (%)	0,9	0,9	1,0	1,0	1,1
Ca (%)	0,3	0,3	0,2	0,2	0,2
Mg (mg/kg)	115,0	112,4	112,6	107,1	110,2
P (mg/kg)	254,2	218,0	188,1	145,6	122,1
Mn (mg/kg)	14,2	12,2	10,5	8,2	6,9
Zn (mg/kg)	3,8	3,4	3,1	2,5	2,3
Cu (mg/kg)	1,1	1,2	1,4	1,5	1,7
Fe (mg/kg)	23,3	23,0	23,2	22,3	23,1
BE (MJ/kg dry matter)	15,7	15,8	16,0	16,1	16,2
DE k (MJ/kg dry matter)	14,5	14,6	14,7	14,9	15,0
ME k (MJ/kg dry matter)	11,5	11,9	12,3	12,7	13,0
NE 1 (MJ/k dry matter)	7,6	7,9	8,1	8,4	8,7
DE s (MJ/kg dry matter)	12,0	12,4	12,9	13,4	13,8

MelaMix is available in bulk for animal husbandry. It is also possible to fill IBC containers supplied by customers.

CONTACTS



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