

MOLASSES: THE ATTRACTION IS OBVIOUS.



**PREMIER
MOLASSES**

AVAILABLE FROM YOUR LOCAL
CO-OP OR MERCHANT





THE BENEFITS OF USING MOLASSES IN AN ANIMAL DIET:

ENERGY

Readily available energy (M.E. 9.3 as fed) particularly valuable to ruminants and enables more effective utilisation of low grade forages such as straw and poor quality hay.

SILAGE MAKING

Molasses may be used in silage production (including organic) giving enhanced natural preservation, and retains 45% feed value after ensiling.

PALATABILITY

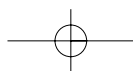
Molasses being palatable to all stock by its smell and flavour, not only promotes appetite, but also enables the masking of unpalatable feedstuffs such as poor hay and silage.

DUST PREVENTION

This feature has two advantages in that it not only reduces the occurrence of physical losses of feed on farm, but it also lessens the risk of dust borne diseases.

GRASS

When feeding molasses with grass, research results suggest better utilisation of nitrogen by ruminant animals.



DIETS USING CANE MOLASSES

WEANLINGS		
FORMULATION		ANALYSIS
Barley	0.5kg	DM = 81.5%, UFL = 1.11
Distillers grains	0.5kg	Crude Protein = 16.5%
Molasses	0.5kg	PDIN = 107g, PDIE = 104g Starch = 21.80%
FINISHING CATTLE		
FORMULATION		ANALYSIS
Barley	2.0kg	DM = 82%, UFL = 1.12
Distillers grains	1.0kg	Crude Protein = 12.9%
Citrus pulp	1.0kg	PDIN = 83g PDIE = 98g
Molasses	1.5kg	Starch = 24%
or		
Barley	2.0kg	DM = 81.6%, UFL = 1.12
Citrus Pulp	1.5kg	Crude Protein = 13.0%
Molasses	1.5kg	PDIN = 86g PDIE = 10
Soya bean meal	0.5kg	Starch = 24.%
MILKING COWS		
FORMULATION		ANALYSIS
Barley	2.0kg	DM = 82.6%, UFL = 1.13
Molasses	1.5kg	Crude Protein = 22.6%
Citrus pulp	1.5kg	PDIN = 156g PDIE = 143g
Soyabean meal	2.0kg	Starch = 20.%
or		
Barley	3.0kg	DM = 81.7%, UFL = 1.13
Soyabean meal	2.0kg	Crude Protein = 21.3%
Molasses	2.0kg	PDIN = 146g PDIE = 137g
Citrus pulp	1.0kg	Starch = 24.5%

To balance these Diets Minerals must be included.
Diets Formulated by Teagasc Nutritionists.



EQUIPMENT FOR MOLASSES HANDLING

A NEW LOW COST AND ACCURATE METHOD TO ADD MOLASSES INTO A DIET FEEDER.

The system includes an FF 1.25" Electric Driven Gear Pump, control panel with timer to pre-set the amount and automatically stop the pump.

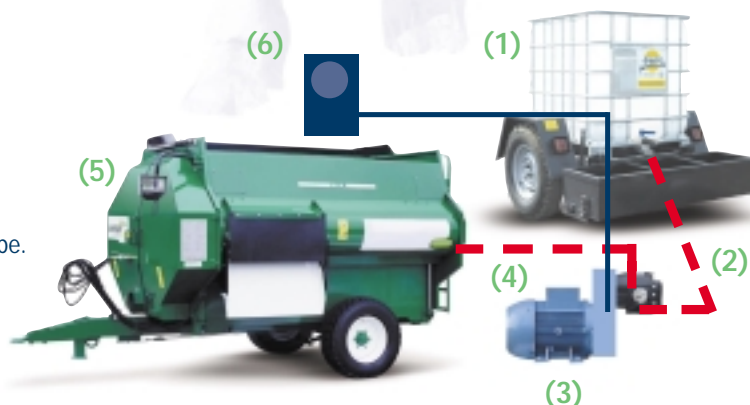
With the growth use of molasses as an important ingredient in Diet Feeders, we have developed a **new pumping system** to make this task simple and cost effective.

Using the new FF 1^{1/4}" Gear Pump reduces the cost and power required for this application.

For Pumping rates up to 500kg per minute, the larger 2" FF Gear Pump can be used, however, the horse power requirement increases accordingly.

TYPICAL FARM INSTALLATION

- 1: Molasses Bulk Tank IBC or other suitable tank
- 2: 2" Suction Hose (Plastic or GB) from tank to pump.
- 3: FF 1^{1/4}" Gear Pump with 1^{1/2}" HP. Single Phase or Three Phase Motor.
- 4: Fill Pipe from pump 1^{1/2}" flexible or fixed GB Pipe.
- 5: Diet feeder.
- 6: Control Panel Stop, Start Timer to stop pump when required amount is pumped.



AVAILABLE: FROM FF PUMPS 041 - 9842346



IBC'S.. THE MOBILE SOLUTION

**PREMIER MOLASSES
RECOMMENDED STORAGE
AND HANDLING EQUIPMENT
FOR MOLASSES ON FARM**

1: IBC'S: (MINI BULK TANK)

Will hold approximately 1.25 tonnes of Molasses. Can be transported on most car trailers as they are only 40" in width by 48" in length and mounted on euro pallet frame.

AVAILABLE: FROM CO-OP'S / MERCHANT
OR FOYNES DEPOT

2: PRE CAST CONCRETE TANKS

Varying in size from 2,500 up to 10,000 gallons capacity. The 2,500 gallon tank will hold 15 tonnes of molasses. (157 gallons = 1 tonne of molasses)

AVAILABLE: FROM CARLOW
PRECAST CONCRETE

TEL: 0503 - 59322

CONTACT PERSON: M.J. LOMAX

3: GEAR PUMP, ELECTRIC MOTOR & TIMER

Can be connected to either of the above and will pump 80kg of molasses per minute

AVAILABLE: FROM FF PUMPS

TEL: 041 - 9842346

CONTACT PERSON: PAT MCKEOWN



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