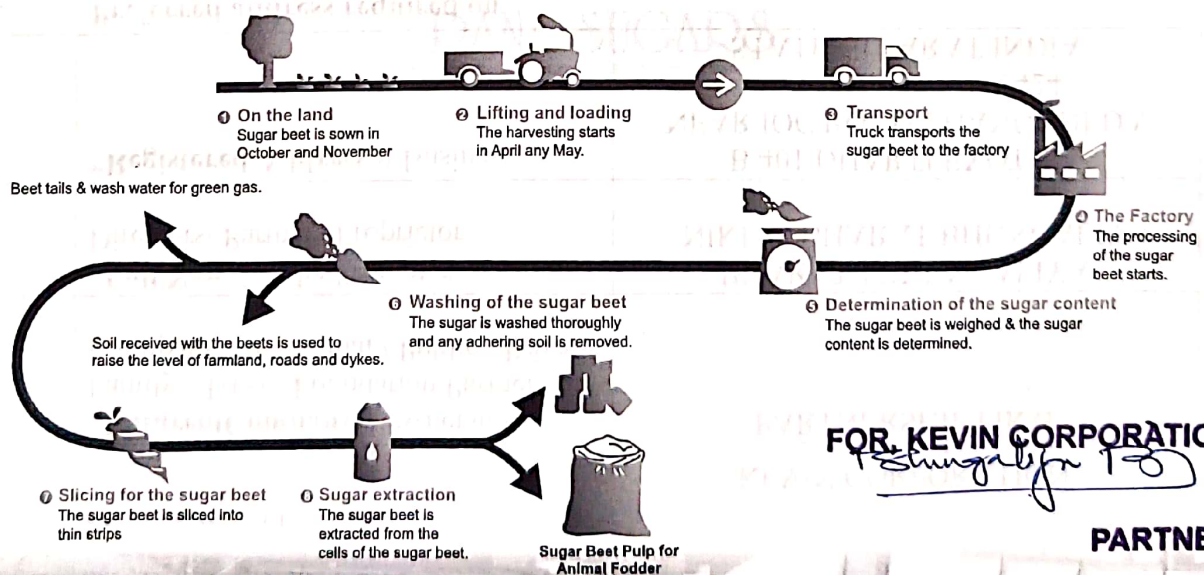


SUGAR BEET PULP

Sugar Beet Pulp is a by-product of the Sugar Industry, it is a very common ingredient in livestock's fodder. After the sugar has been extracted from the sugar beets, the fibrous portion of the sugar beet which contains very less sugar is dehydrated and is valuable as a fibre and energy source. Its pulp is then cleaned and freed from crown, leaves and processed into pellets or cubes.

KEY FEATURES OF SUGAR BEET PULP

1. Sugar Beet Pulp is a consistent source of energy, fibre and it can be given with corns silage.
2. Sugar Beet Pulp provides high digestible fibre, which allows cows to produce more milk per kg of feed than when they are feed as earing a TMR, which contains a large amount of non-digestible fibre.
3. Sugar Beet Pulp is about 72% wet and 28% dry, which is a good way to add moisture to a TMR, particularly when feeding dry hay.
4. Sugar Beet Pulp is considered a non-forage fibre source and may be used to partially replace forage in dairy cattle.
5. In sugar Beet Pulp, nearly 90% of the fibre is digestive ruminants.
6. Sugar Beet Pulp has a high content in cellulose 21% in other digestible carbohydrates like hemicellulose and pectin 23%.
7. Sugar Beet Pulp is weak in Lignin (<4%), which good digestibility of its organic matter of 87-90%.
8. Sugar Beet Pulp has a good energy value which is almost of the same as of the maize silage.
9. Sugar Beet Pulp promotes stable rumen pH as it provides energy through high fibre source unlike of cereal which is high in starch content.



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Signature

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ANALYSIS REPORT OF SUGAR BEET PULP ON AS SUCH BASIS

(SHRIRAM INSTITUTE FOR INDUSTRIAL RESEARCH)

TEST RESULTS

S NO	TEST PARAMETERS	Observed Value	Protocol
1	Moisture,% by mass	9.1	IS:7874(P1)-1975(R-2014)
2	Dry matter,% by mass	90.9	BY CALCULATION
3	Total ash (on dry basis),%by mass	5	IS:7874(P1)-1975(R-2014)
4	Crude protein on dry basis (Nx6.25),% by mass	11.3	IS:7874(P1)-1975(R-2014)
5	Acid detergent fibre,%by mass	22.9	AOAC973,18,20th Ed.
6	Neutral detergent fibre,% by mass	39.2	AOAC2002,04,20th Ed.
7	Calcium as Ca,% by mass	1.3	AOAC990.08,20th Ed.
8	Iron as Fe, mg/100g	31.3	AOAC990.08,20th Ed.
9	Manganese as Mn,mg/100g	5.7	AOAC990.08,20th Ed.
10	Energy, kCal/100g	347.1	IS:8220-1976(R-2010)
11	Afiatoxins ug/kg	BDL (DL-1.7 ug/kg)	SOP-SRI/MICRO/023

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T. Shunfalgaonkar

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25/11/2022

