



SK Silage LLP

802, CORPORATE HOUSE,
NR SALES INDIA, BEHIND ASHRAM ROAD,
AHMEDABAD, GUJARAT, INDIA.
EMAIL:-skagrollp@gmail.com
Mob:-9825049520



**India's
1st branded
CORN
SILAGE**

SK SILAGE LLP

802, 8th Floor, Corporate House Opp. Dinesh Hall,
Near Income Tax, Ashram Road,
Ahmedabad-380 009, Gujarat, INDIA.
Phone +91-79-2754 6778, 2754 6228
Fax: +91-79-2754 6362

At Post Vaktapur, Opp. Vaktapur Hanumanji Mandir,
Himmatbagar - Idar Highway,
Himmatnagar, Gujarat, INDIA.
Phone : +91-2772-283234,
+91-98250 49520

Email: skagrollp@gmail.com



Facts – Indian Dairy Industry

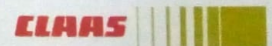


- 165.7 million tones of Milk Production*
 - 1st in Milk Production with 3.4% CAGR
 - 39.9% growth projected in milk production till 2022, largest in the world
 - India has approx. 25% of world's cattle.
 - 45 million liters milk processing per day in, 320 co-operative & 520 Private Dairies
 - World's largest dairy herd with 140 Million ton milk production
- Feeding cost is 55-60 % of total cost of milk production.
 - Still, milk yield in India is 1200 kg/cow/year far lower than developed countries

7200kg/cow/year



*Info From www.nddb.org



Problem affecting milk production in India



- Lack of quality cattle feed through out the year.
- Inferior farm management practices.
- Unavailability of High milching breeds.
- Scarcity of labour.
- High input costs.
- Lack of education/ training among farming community.
- Lack of government focus/ support for promotion of organized dairy farming.

Nutritional Importance of Corn Silage



TOTAL MIX RATION

WATER

PROTIEN

ENERGY

FIBRE

Vit+Min

How a Farmer makes TOTAL MIX RATION

WATER

Concentrate feed
@Rs 21-23/kg

Wheat/Green Fodder

Green Fodder

Vit+Min

Non Availability Round the year

Benefits of Silage

1. **High in Energy, good for energy balance of mulching animals, Increase in milk production by 15-20%**
2. High in digestibility, hence Silage makes Total Mix ration more digestible
3. Increase the production of Milk
4. A cheap substitute for fodder at the time of fodder shortage
5. Animals get nutritious feed the whole year
6. Lower field, harvest, and storage losses.

What is Silage ?



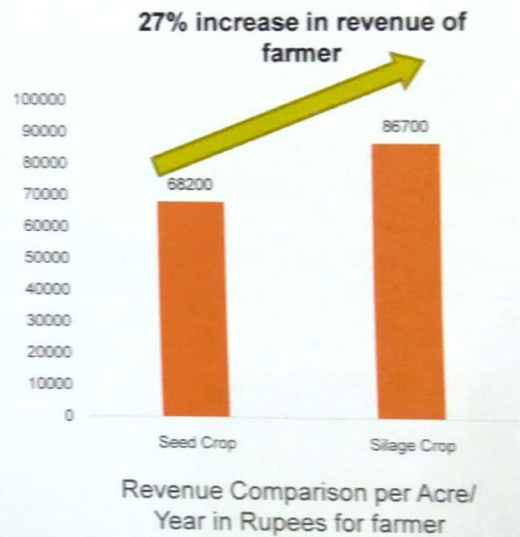
1. Fodder is packed in airtight condition to preserve its nutritional value, improve its quality and taste and to make it easily digestible
2. This is called silage or pickle of the fodder.
3. Corn silage is popular forage for Ruminant animals.
4. It is formed when farmer takes the corn and stock and ferments it as a high moisture feed.
5. Corn silage is high energy and digestibility.
6. Corn silage is easily adopted to mechanization from the stand crop to time of feeding.



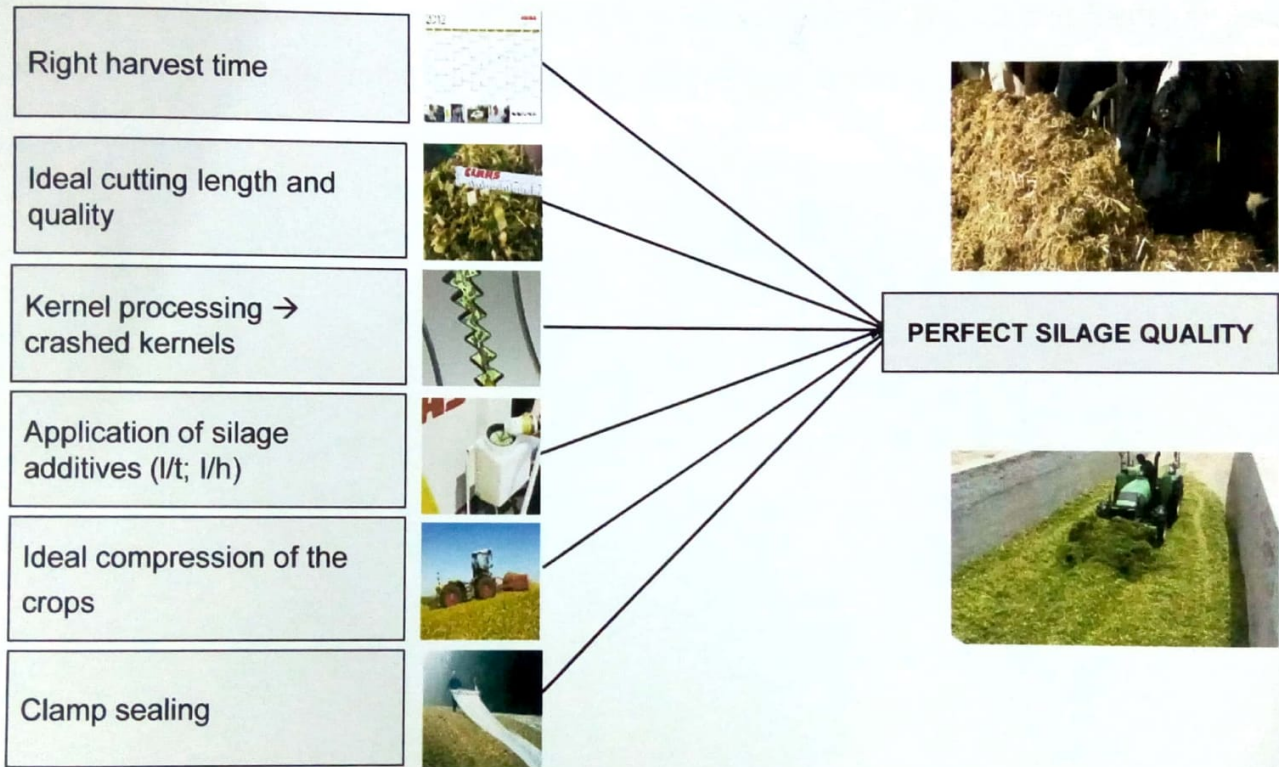
Maize for Grain and Silage Comparison, Farmer's revenue increase



Cost comparison per Acre		
	Grain Crop	Silage Crop
Land Preparation	3,600	3,600
Seed Cost	2,400	2,400
Sowing Cost	600	600
Weedicide Cost	300	300
Fertiliser Cost	3,200	3,200
Harvesting Cost	4,000	
Total Cost of Cultivation - Rs. / Acre	14,100	10,100
Grain/ Forage Yield - Mt		
Approx. Grain/ Forage Yield - Kharif - MT	3	22
Approx. Grain/ Forage Yield - Rabi - MT	3	28
Approx. Grain/ Forage Yield - Spring - MT	3	28
Gross Income - Rs. Per Acre		
Kharif	32,500	33,000
Rabi	39,000	42,000
Spring	39,000	42,000
Net Income - Rs. Per Acre		
Kharif	18,400	22,900
Rabi	24,900	31,900
Spring	24,900	31,900
Total Revenue	68,200	86,700



Key factors for optimum silage quality



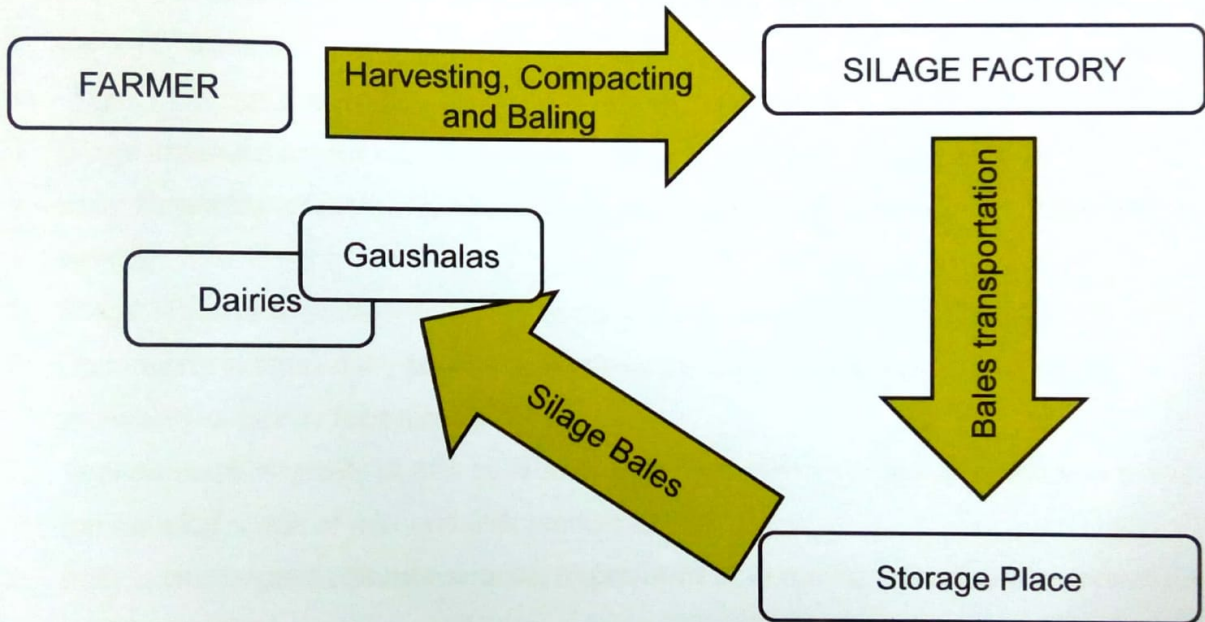
What is Silage factory ?



A factory which produces of high quality Silage bales by harvesting corn in fields, makes compact silages bales which serves as feed for milching animals.



Material Flow



Social Benefits



1. Changing the crop cycle from wheat- paddy to wheat-maize helps in saving water. **1kg of paddy production required 5000 Liters of water viz. a viz. 1 kg of maize requires 900 liters of water.**
2. Buyer of Maize is available at farmer's doorstep.
3. Silage improves animal health and hence reduces the medicine cost at dairy.
4. Easy availability of quality feed in fodder scarcity period increase the profitability of lean periods.
5. Silage increase in production of milk of dairy thereby increase of profitability
6. Opportunity to small dairy farmers to increase the heard size because of surety of availability of quality feed throughout the year.
7. Improvement of quality of milk by reducing the level of Mycotoxins/ Aflatoxin levels, this can develop scope of milk and milk product exports.
8. **Milk is the largest calcium source, Improvement in quality of milk will improve the health of nation**



Silage Factory Equipment



JAGOUR 850, for harvesting



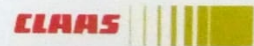
Corn Silage bales



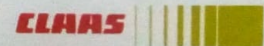
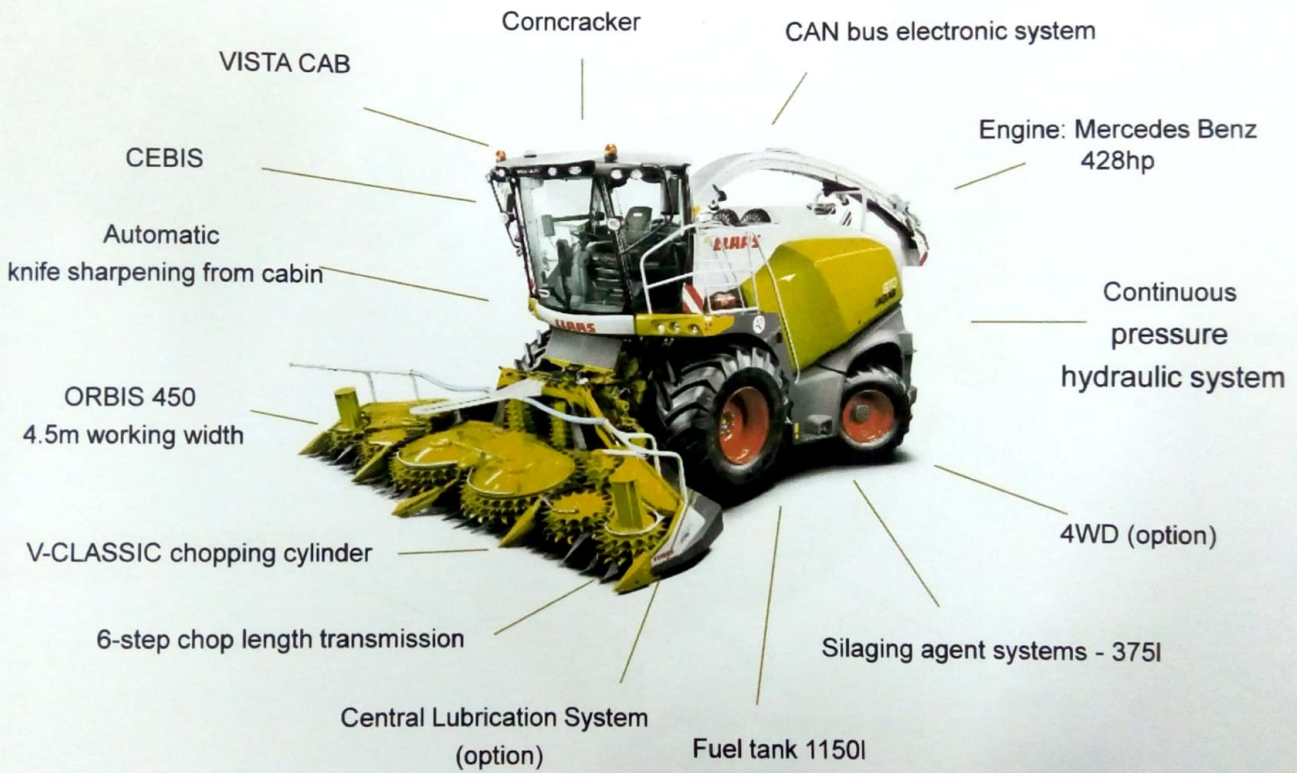
Tipper or tractor Trolleys for transportation of Silage and Silage Bales



Silage maize



CLAAS JAGUAR 850 key facts

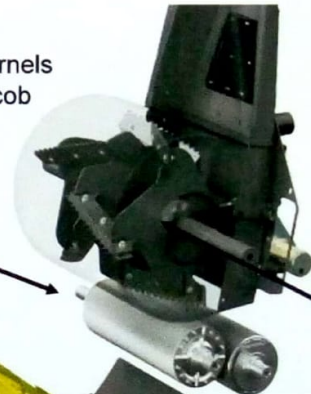


CLAAS JAGUAR

How does it work

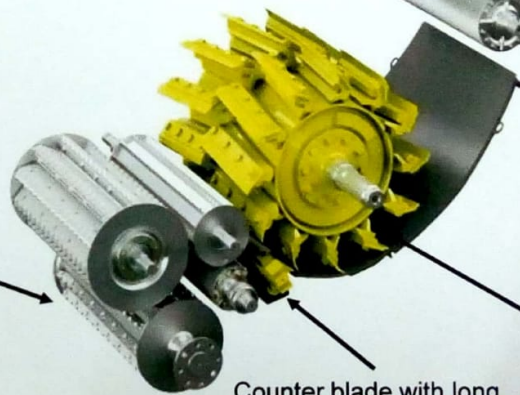


Corn cracker for cracking maize cernels and shredding the cob pieces



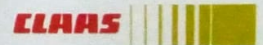
Crop accelerator for even crop flow

Active precompression for ideal preperation



Knife drum for best cutting quality

Counter blade with long lifetime



Proposal to Purchase Silage from SK Silage



SK Silage Profile



Producer	: SK Silage LLP, Ahmedahad, Sabarkantha, Himmatnagar
Support	: CLASS Germany : Greenline Chiloda
Experience	: By Birth Farmers, Also Dairy Farmers.
Present Activities	: Potato Farming- 9000 acre Cold storage Sortex Ginning Engineering Maize starches. Corn
Silage project	: Start from - November 2017
Sowing	: At present 900 Acre By contract farming
Future plan	: 3000 acre
Seeds	: Pioneer / Dupont
Equipments	: Harvester- CLAAS, Baler- Turkey, Own Trucks, JCB Loader, Tractors. Computerised weighing balance with barcode label
Team	: Qualified Agronomists for farming. Engineers for production. GBQualit control with support Of Kemin USA Marketing
Experience	: PramoterIn cattle field.

Benefits of corn silage



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CORN SILAGE**

સરળ, સસ્તું, ગુણવત્તા યુક્ત પશુપાલન એટલે એસ.કે. સાયલેજ લીલો (સમતોલ) ઘાસચારો

- ➔ પશુ માટે બારેમાસ તૈયાર લીલો (સમતોલ) ઘાસચારો
- ➔ ૩૬૫ દિવસ જરૂરી તત્વોથી ભરપૂર, ઉંચી ગુણવત્તા યુક્ત, પૌષ્ટિક લીલો (સમતોલ) પશુ ઘાસચારો
- ➔ પશુના દુધ અને તંદુરસ્તીમાં મહત્તમવધારો (વારસાઈ ગુણ મુજબ)
- ➔ ૧૦૦ કીલો પેકિંગમાં લીલો (સમતોલ) ઘાસચારો
- ➔ જમીન વગરના કે ઓછી જમીન ધરાવતા પશુપાલક માટે ઉમદા
- ➔ પશુપાલનમાં વધુ આવક - ઓછો ખર્ચ ઓછી મહેનતનો વિકલ્પ
- ➔ પશુ માટે લીલો/સુકો ઘાસચારો સંગ્રહ કરવાની મંગટ માંથી મુક્તિ
- ➔ પશુ માટે ખેતરમાં લીલો ઘાસચારો વાવવાની કે દરરોજ કાપવાની જરૂર નથી.
- ➔ પશુ ઘાસચારો ગોડાઉનમાં સંગ્રહ કરવાની, કે બગડવાની ચિંતા અને ખર્ચ માંથી મુક્તિ
- ➔ ઠવે પશુપાલનમાંથી સમય બચતાં મહેમાનગતી કે પ્રસંગો મન મુકીને માલો.
- ➔ ભારતનો સૌપ્રથમ માર્ક યુક્ત મકાઈ ઘાસચારો.
- ➔ ઝડપી અને તુરંત વપરાશમાં લઈ શકાય તેવી કુદરતી પેદાશ.
- ➔ યુરોપીયન ટેકનોલોજીથી બનાવેલો અદ્યત્ન ગુણવત્તા યુક્ત.
- ➔ ૧૨ મહિના સુધી સંગ્રહી શકાય તેવું પેકિંગ.
- ➔ જગ્યા બચાવવા ખુબ જ અદ્યત્ન રીતે બનાવેલું નાનું પેકિંગ
- ➔ દુધ ઉત્પાદનમાં વધારો
- ➔ ગાય અને ભેંસને બારેમાસ ખવડાવાય તેવો ઉપયોગી.
- ➔ સમય-ખર્ચની બચત વાળો ઉત્તમઉત્તમપશુ આહાર એટલે...

એસ.કે. સાયલેજ

: Corporate Office :
802, 8th Floor, Corporate House, Opp. Dinesh Hall,
Near Income Tax, Ashram Road,
Ahmedabad-380 009, Gujarat, India.
Phone : + 91-79-2754 6778, 2754 6228
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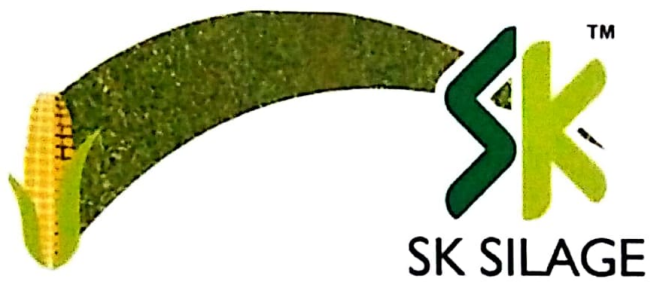
: Plant :
At Post :- Vaktapur, Opp. Vaktapur Jain Mandir,
Himmatnagar - Idar Highway,
Himmatnagar, Gujarat, India.
Phone : 98795 36248,
98250 68015

પોષણ/મૂલ્ય	
ક્રાઇમેટર	30-35%
પ્રોટીન (%DM)	7-9
એ.કી.એફ. (%DM)	25-35
એન.કી.એફ. (%DM)	35-50
સ્ટાર્ચ (%DM)	25-35
પી.એમ.	3-45

Email : skagrollp@gmail.com







THANK YOU