

What to do in 2013 Corn Silage Harvest

10

Be Safe!!

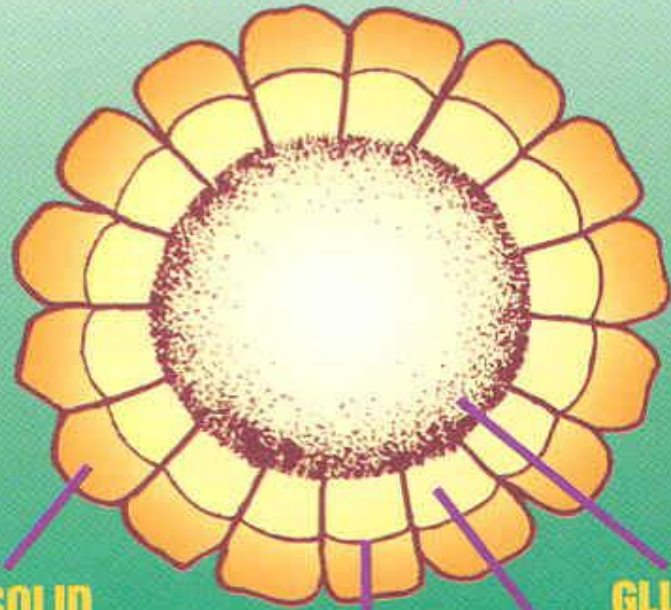


Practice TEAMWORK

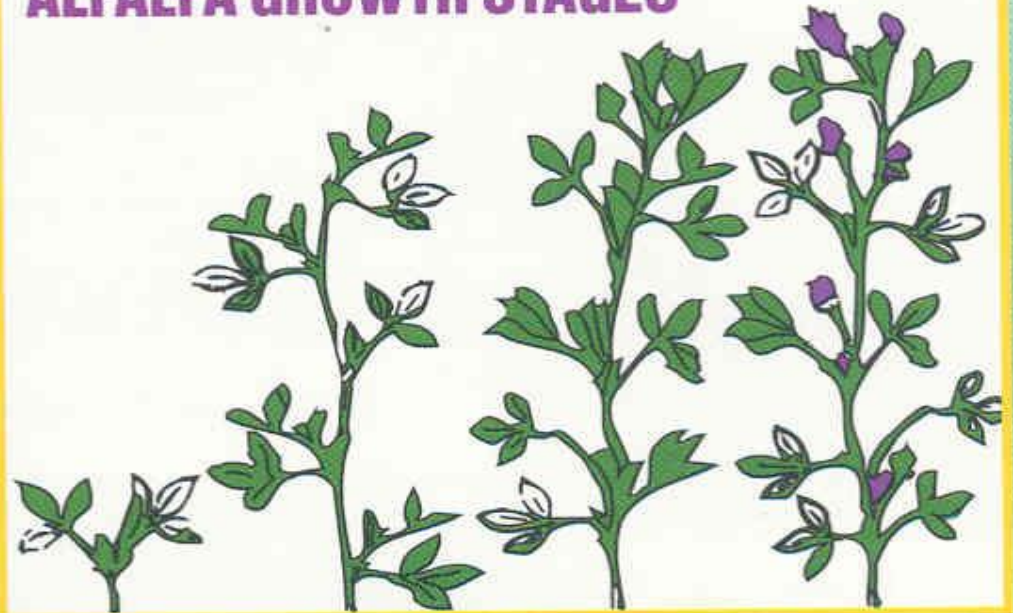
9



MILK LINE PROGRESSION at one-half milk line



ALFALFA GROWTH STAGES



LEAFY

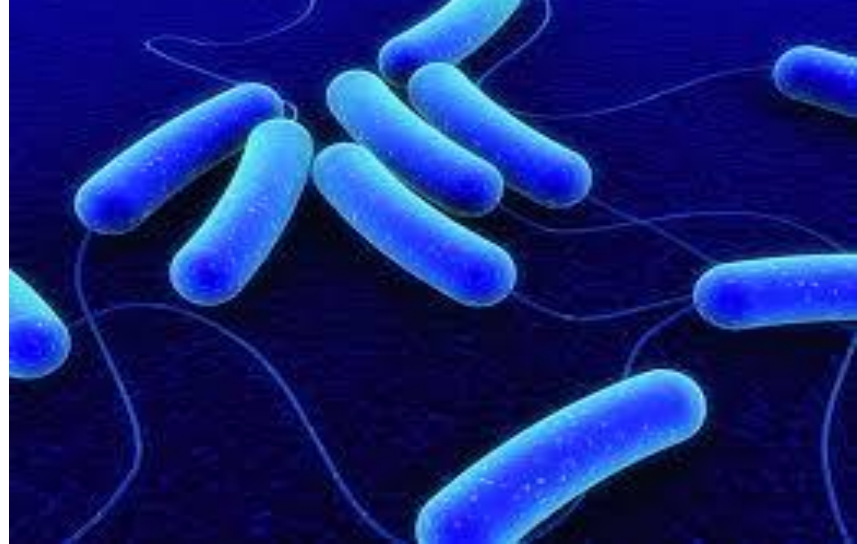
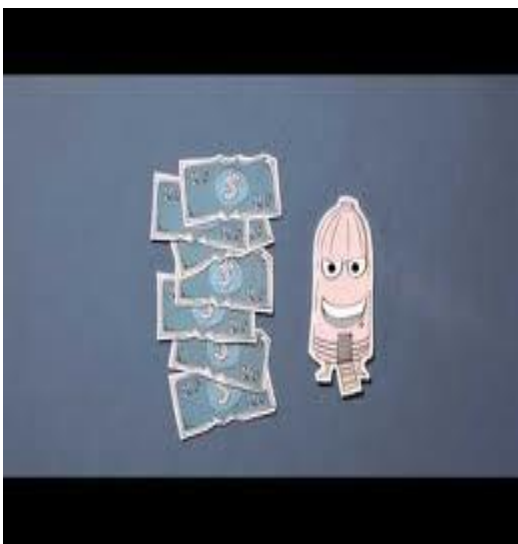
PREBUD

BUD

BLOOM

8

Cut at the correct stage



7

Use Inoculant



6

Pack it... Seal it



5

Monitor and Adjust



4

Manage Inventory



3

Don't feed junk!



Aerobic



Fermentation



Stable



Feed-out

2

Understand Shrink



Aerobic
3 – 15 %



Fermentation
1 – 10 %



Stable
0 - 1 %



Feed-out
1 – 10 %

\$ 60.00/Ton @ 12% shrink = \$ 68.18



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Recognize the Value!

The Value of Corn Silage and Shell Corn

Nutrient	Ratio											Nutrient
	100:0	90:10	80:20	70:30	60:40	50:50	40:60	30:70	20:80	10:90	0:100	
Dry Matter	26.00	28.00	30.20	33.90	36.00	40.00	44.70	50.80	58.80	69.90	85.60	Dry Matter
Protein	9.00	8.94	8.88	8.82	8.76	8.70	8.64	8.58	8.52	8.46	8.40	Protein
NEL 3x	60.00	63.49	66.98	70.47	73.96	77.45	80.94	84.43	87.92	91.41	94.90	NEL 3x
ADF	32.00	29.10	26.20	23.30	20.40	17.50	14.59	11.69	8.79	5.89	3.00	ADF
NDF	52.00	47.68	43.30	39.04	34.72	30.40	26.08	21.76	17.44	13.12	8.80	NDF
Starch	15.00	20.75	26.50	32.25	38.00	43.75	49.50	55.25	61.00	66.75	72.50	Starch
NFC	30.30	35.05	39.80	44.55	49.30	54.05	58.58	63.55	68.30	73.05	75.00	NFC
Poor Silage			Average Silage			Excellent Silage			Corn Snaplage			Hi Moisture Ear Corn
Base												Shell Corn
As Fed Value	\$44.44	\$51.09	\$58.58	\$69.67	\$78.14	\$91.43	\$107.33	\$127.83	\$154.74	\$192.01	\$245.00	As Fed Value
Adjust to 32%DM	\$54.70	\$58.39	\$62.08	\$65.76	\$69.45							
Breakeven Yield at 40 ton	36.00	31.32	27.31	22.97	20.48							
Projected Yield	40.00	36.40	33.12	30.14	26.00	22.00	18.00	12.00	10.00	8.00	6.00	
Projected Revenue per Acre	\$1,778	\$1,860	\$1,940	\$2,100	\$2,032	\$2,011	\$1,932	\$1,534	\$1,547	\$1,536	\$1,470	

	Price Ton	Value/T of DM
Bushel Price	\$5.45	
Corn Silage	\$62.00	
Corn Silage (Poor)	\$44.44	\$170.93
Rolled Corn	\$245.00	\$286.21
SoyMeal 48	\$450.00	\$500.00

Prepared by: Progressive Dairy Solutions, Inc.



\$.44.44/Ton



\$ 78.14/Ton

Thank you

An aerial photograph of a large-scale dairy farm operation. The central focus is a massive, conical pile of golden-brown silage, showing distinct tire tracks from heavy machinery. At the top of the pile, several green tractors and yellow trailers are parked. In the foreground, a large building with a corrugated metal roof is visible. To the right, a semi-truck is parked on a paved area, and a person in a high-visibility vest is standing nearby. The background shows a vast, flat landscape under a clear sky.

Jim DeMatteo
Progressive Dairy Solutions

Opportunities to Improve Silage



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Variety Selection

- Pick a variety that is backed by research to produce a forage that fits into your program.
 - High tonnage, low starch
 - High Starch, low tonnage
 - High Starch, High Tonnage
- BMR vs Conventional.... Digestibility vs Tonnage..... Which one do you need or want?

Feed Your Plants

- Like your cows, your plants need to be cared for.
- Know the needs of the variety you select....
 - High Tonnage corn silage will require more inputs than Low Tonnage corn silage.
- Your plants will only pay you back with what you give them.

Harvest Correctly

- Time your harvest based upon your desired corn silage quality.
 - Drier corn silage will have higher starch percentages, but may have lower NDF digestibility....
 - Determine which one you want.
- Process your kernels.... Adequately processing your kernels will only get you adequate results from your cows.

Harvest Correctly

- Chop Length.
 - Conventional processing chop length is $\frac{3}{4}$ of an inch.
 - Shredlage... New technology that may be an opportunity. The results are based on implementation and management and are yet to be proven... but look very promising.

Packing....

- Pack.... Pack... Pack..
- When you think your done packing you have 3 more hours to go!!!!!!!



Understand Your Forage Test Results

- Forage content: ADF, NDF, Lignin
- Starch content
- Forage Digestibility: Good packing, proper fermentation, and low lignin.
- Starch Digestibility.... Increases over time in the pit. Particle Size is a major contributor to variability .

Proper Handling and Mixing

- Don't move silages prior to feeding.
- Remove the face of the pit with out introducing problems.
- Reducing heating of the face or silage pile with facers.... A loader can also do this.
- Don't over mix in the wagon.... (you spent 3 months making feed to destroy it right before you use it?)

Summary

- Review this years results and cow performance and adjust your plan for next year.
- “Insanity: doing the same thing over and over again and expecting different results.”
Albert Einstein