



# Inoculant Program

Cutting-edge programs and nutrition to help you drive change and create a competitive advantage

# Water-Soluble Inoculant

## SURE SILE 200

Net wt. - 200 g

Guaranteed Analysis: Total bacteria not less than 136.2 billion CFUs/g.

### Application

Mix the entire container with clean, potable water that is cool or cold. Water amount can vary from a few ounces to quarts of water per ton when applying inoculant to crop. Apply according to applicator directions.

### Concentration

Each container treats 200 tons of forage at 150,000 CFUs/g.

*Ingredients: sucrose, dehydrated Lactobacillus plantarum fermentation product, dehydrated Pediococcus pentosaceus fermentation product, dried Trichoderma longibrachiatum fermentation extract, dried Bacillus subtilis fermentation extract, dried Aspergillus oryzae fermentation extract, silicon dioxide, artificial color.*

## SURE SILE 500

Net wt. - 500 g

Guaranteed Analysis: Total bacteria not less than 136.2 billion CFUs/g.

### Application

Mix the entire container with clean, potable water that is cool or cold. Water amount can vary from a few ounces to a few quarts per ton when applying inoculant to crop. Apply according to applicator directions.

### Concentration

Each container treats 500 tons of forage at 150,000 CFUs/g.

*Ingredients: sucrose, dehydrated Lactobacillus plantarum fermentation product, dehydrated Pediococcus pentosaceus fermentation product, dried Trichoderma longibrachiatum fermentation extract, dried Bacillus subtilis fermentation extract, dried Aspergillus oryzae fermentation extract, silicon dioxide, artificial color.*

## SURE SILE - SF

Net wt. - 500 g

Guaranteed Analysis: Total bacteria not less than 90.8 billion CFUs/g.

### Application

Mix the entire container with clean, potable water that is cool or cold. Water amount can vary from a few ounces to a few quarts per ton when applying inoculant to crop. Apply according to applicator directions.

### Concentration

Each container treats 500 tons of forage at 100,000 CFUs/g.

*Ingredients: sucrose, dehydrated Lactobacillus plantarum fermentation product, dehydrated Pediococcus pentosaceus fermentation product, silicon dioxide, artificial color.*

# L. Buchneri Inoculant

## SURE SILE LB 200

Net wt. - 200 g

Guaranteed Analysis: Total bacteria not less than 317.8 billion CFUs/g.

### Application

Mix the entire container with clean, potable water that is cool or cold. Water amount can vary from a few ounces to a few quarts per ton when applying inoculant to crop. Apply according to applicator directions.

### Concentration

Each container treats 140 tons of high moisture corn at 500,000 CFUs/g, 200 tons of corn silage at 350,000 CFUs/g.

*Ingredients: sucrose, dehydrated Lactobacillus buchneri fermentation product, dehydrated Lactobacillus plantarum fermentation product, dehydrated Pediococcus pentosaceus fermentation product, dried Trichoderma longibrachiatum fermentation extract, dried Bacillus subtilis fermentation extract, dried Aspergillus oryzae fermentation extract, silicon dioxide, artificial color.*

## SURE SILE LB 500

Net wt. - 500 g

Guaranteed Analysis: Total bacteria not less than 317.8 billion CFUs/g.

### Application

Mix the entire container with clean, potable water that is cool or cold. Water amount can vary from a few ounces to a few quarts per ton when applying inoculant to crop. Apply according to applicator directions.

### Concentration

Each container treats 350 tons of high moisture corn at 500,000 CFUs/g, 500 tons of corn silage at 350,000 CFUs/g.

*Ingredients: sucrose, dehydrated Lactobacillus buchneri fermentation product, dehydrated Lactobacillus plantarum fermentation product, dehydrated Pediococcus pentosaceus fermentation product, dried Trichoderma longibrachiatum fermentation extract, dried Bacillus subtilis fermentation extract, dried Aspergillus oryzae fermentation extract, silicon dioxide, artificial color.*

*Increased production of acetic acid inhibits growth of wild yeast and helps your silage stay fresher, longer.*

# Dry Inoculant

## SURE SILE DRY

Net wt. - 50 lb. (22.68 kg)

Guaranteed Analysis: Total bacteria not less than 136.20 billion CFUs/lb.

### Application

Sure Sile Dry can be applied to the fresh silage crop at chopping or applied at the silo, bag, or bunker silo.

FOR BEST RESULTS, USE A METERING DEVICE.

### Concentration

1 lb. when applied delivers

150,000 CFUs/g of treated crop.

*Ingredients: calcium carbonate, sucrose, dried Lactobacillus plantarum fermentation product, dried Pediococcus pentosaceus fermentation product, dried Trichoderma longibrachiatum fermentation extract, dried Bacillus subtilis fermentation extract, dried Aspergillus oryzae fermentation extract.*

## SURE SILE CUSTOM 200 DRY

Net weight: 50 lbs. (22.68 kg)

Guaranteed analysis: Total bacteria not less than 362.88 billion CFUs/lb.

### Application

Sure Sile Custom 200 Dry can be applied to the fresh silage crop at chopping or applied at the silo, bag, or bunker silo.

FOR BEST RESULTS, USE A METERING DEVICE.

### Concentration

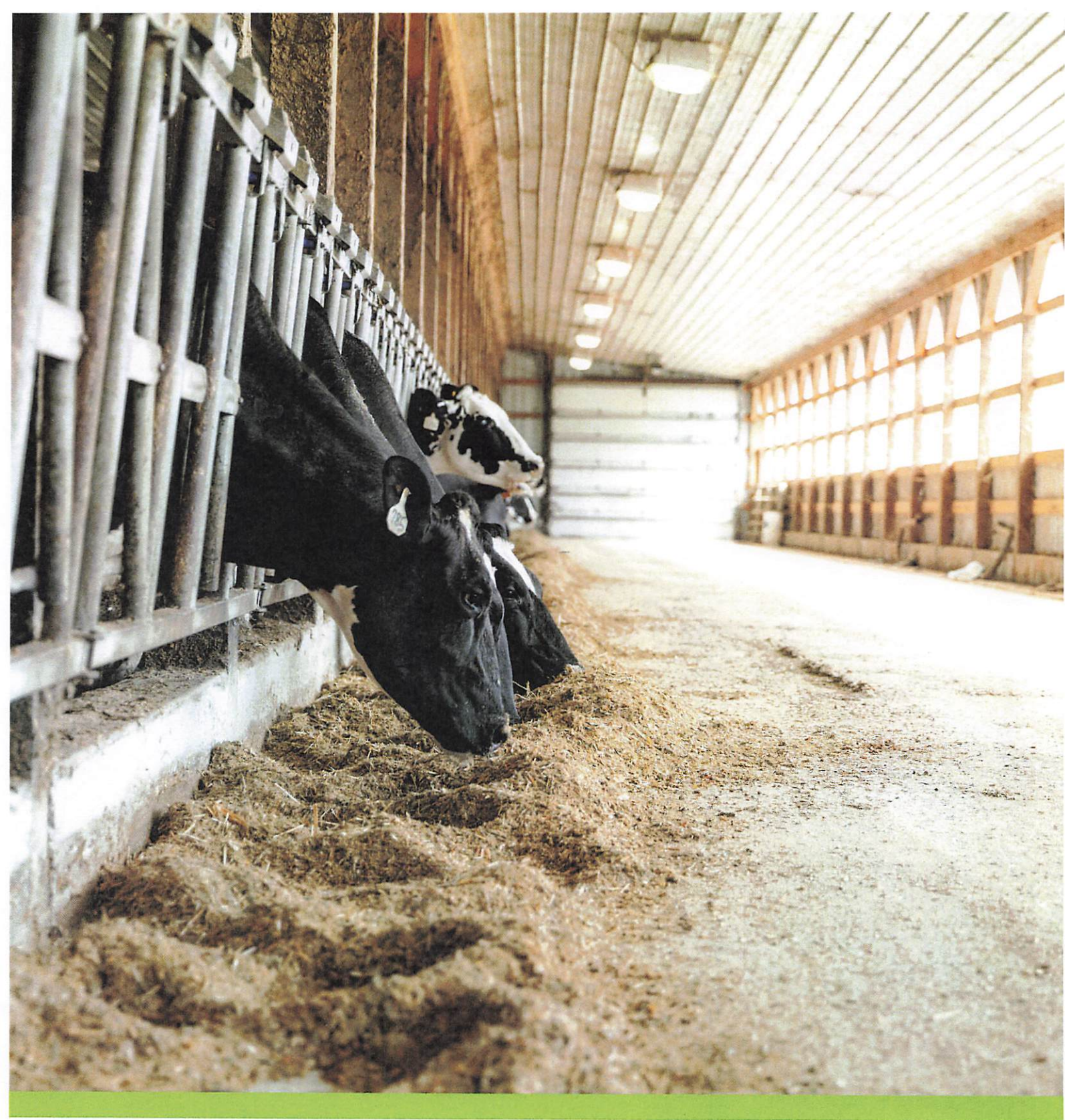
1/4 lb. when applied delivers

100,000 CFUs/g of treated crop.

*Ingredients: calcium carbonate, sucrose, dried Lactobacillus plantarum fermentation product, dried Pediococcus pentosaceus fermentation product, dried Trichoderma longibrachiatum fermentation extract, dried Bacillus subtilis fermentation extract, dried Aspergillus oryzae fermentation extract.*

Amount of Sure Sile Dry	Amount of S.S. Custom 200 Dry	Variety	Maturity	Ideal Moisture Min-Max
2 lbs./ton	3/4 lb./ton	High-moisture corn	Early-to-mid dent	25% - 35%
1 lb./ton	1/4 lb./ton	Corn silage	Early	60% - 70%
1 lb./ton	1/4 lb./ton	Sorghum	When leaves begin to turn	60% - 70%
1 lb./ton	1/4 lb./ton	Oatlage	Milk to soft dough	55% - 65%
1 lb./ton	1/4 lb./ton	Alfalfa	1/10 heads in bloom	45% - 65%
1 lb./ton	1/4 lb./ton	Clover	1/4 heads in bloom	45% - 65%
1 lb./ton	1/4 lb./ton	Grass	First heads appear	55% - 70%

\*\*DOUBLE APPLICATION RATE WHEN CROP IS STRESSED\*\*



Formulated with  
Solutions from **Alltech®**

# Capacity Chart

## Upright Silo Capacities for Alfalfa Silage (AS) and Corn Silage (CS)

Diameter and settled depth	40%		50%		60%		70%	
	AS	CS	AS	CS	AS	CS	AS	CS
12 x 30	35	47	44	54	57	62	83	74
12 x 40	50	66	62	75	80	87	116	103
12 x 50	63	85	78	97	104	111	150	132
14 x 40	69	93	86	106	114	121	163	143
14 x 50	89	121	111	137	148	158	210	185
14 x 55	99	134	125	153	164	175	240	210
16 x 50	120	163	151	184	200	210	290	250
16 x 60	149	200	186	230	250	260	360	300
16 x 65	162	220	200	250	270	280	390	330
18 x 50	157	210	196	240	260	270	370	320
18 x 60	194	260	240	290	320	340	460	390
18 x 70	230	310	290	350	390	400	560	460
20 x 60	250	330	310	370	410	420	590	490
20 x 70	300	390	370	440	490	500	700	580
20 x 80	350	460	430	510	580	580	820	670
24 x 60	370	490	470	540	620	620	880	710
24 x 70	450	580	560	650	740	740	1050	850
24 x 80	530	680	660	760	870	850	1230	980
24 x 90	610	780	760	850	1000	970	1410	1110
30 x 80	880	1090	1090	1280	1430	1480	2000	1630
30 x 90	1010	1240	1260	1480	1650	1710	2290	1880

Source: J.C. Jofriet, University of Guelph, Ontario. Adapted from the October 25, 1986, issue of Hoard's Dairyman. Copyright 1986 by W.D. Hoard and Sons Company, Fort Atkinson, Wisconsin.

## Wagon Capacities

70% Moisture				
Depth (ft) X Length (ft)	14	16	18	20
1	1.5	1.5	1.5	2.0
2	2.5	3.0	3.5	4.0
3	4.0	4.5	5.0	5.5
4	5.5	6.0	7.0	7.5
5	6.5	7.5	8.5	9.5
6	8.0	9.0	10.0	11.5
7	9.0	10.5	12.0	13.0
8	10.5	12.0	13.5	15.0
9	12.0	13.5	15.0	17.0
10	13.0	15.3	17.0	19.0

60% Moisture				
Depth (ft) X Length (ft)	14	16	18	20
1	1.0	1.0	1.5	1.5
2	2.0	2.5	2.5	3.0
3	3.0	3.5	4.0	4.5
4	4.0	5.0	5.5	6.0
5	5.5	6.0	7.0	7.5
6	6.5	7.0	8.0	9.0
7	7.5	8.5	9.5	10.5
8	8.5	9.5	11.0	12.0
9	9.5	11.0	12.0	13.5
10	10.0	12.0	13.5	15.0

# Capacity Chart

## Bag Capacity

Bag size	Corn Silage & Haylage @65% DM	H.M.S.C. (Tons)	Ground Shell Corn (Tons)
8' x 100'	95	95	114
8' x 150'	140	140	168
8' x 200'	190	190	228
9' x 100'	120	120	144
9' x 150'	175	175	211
9' x 200'	240	240	289
10' x 200'	295	295	355
10' x 250'	365	365	439
10' x 300'	440	440	529
12' x 200'	420	420	505
12' x 250'	525	525	632
12' x 300'	630	630	758
14' x 200'	575	575	692
14' x 250'	715	715	860
14' x 300'	860	860	1035

\*Note: Actual capacity varies due to moisture and pack. High Moisture corn calculated using 30% moisture\*

## Horizontal Silo Capacities

Depth (ft) X Length (ft)	20	30	40	50	60	70	80
8	3.4	5.0	6.5	8.1	10.0	11.3	13.0
10	4.3	6.2	8.4	10.2	12.2	14.2	16.2
12	5.2	7.5	10.0	12.3	14.6	17.0	20.0
14	6.0	8.7	11.5	14.3	17.0	20.0	22.7
16	7.0	10.0	13.1	16.3	20.0	22.7	26.0
18	8.2	11.1	14.7	18.3	22.0	27.6	29.1

\*Sidewalls slope out 1' in 8' of height.

\*\*Capacity based on 40 lb. per cubic foot (approx. 70% moisture silage).

Source: Silage and Silos, Special Circular #223.

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