






# Pioneer® brand inoculants offer choices

CROP-SPECIFIC INOCULANTS – Patented, Proprietary Bacterial Strains.

	CORN FIBER TECHNOLOGY		CORN SILAGE		ALFALFA FIBER TECHNOLOGY		ALFALFA SILAGE		GRASS FIBER TECHNOLOGY		GRASS/CEREAL SILAGE		HIGH-MOISTURE CORN		MULTI-CROP	
	11CFT	11C33	1132	11AFT (NEW)	11G22	11H50	11GFT	11G22	11B91	1189	11A44	1174/1177				
	Contains <i>L. buchneri</i>		Contains <i>L. buchneri</i>		Contains <i>L. buchneri</i>		Contains <i>L. buchneri</i>		Contains <i>L. buchneri</i>		Contains <i>L. buchneri</i>		Contains <i>L. buchneri</i>		Contains <i>L. buchneri</i>	
																
Key Benefits and Recommended Product Usage	Reduces dry matter loss by rapidly lowering pH. Also contains <i>L. buchneri</i> to significantly reduce aerobic losses at feedout.	Improves silage feeding quality and bunklife by rapidly lowering pH and significantly improving bunklife by the action of <i>L. buchneri</i>	Rapidly lowers silage pH and incrementally improves rate of nutrient digestion.	Fiber Technology product which reduces dry matter loss and protein degradation by rapidly lowering alfalfa silage pH. Also contains an <i>L. buchneri</i> strain to significantly improve bunklife.	Helps protect nutritional quality in alfalfa silage by rapidly lowering pH, reducing protein degradation and improving bunklife as a result of the inclusion of a <i>L. buchneri</i> strain.	Reduces dry matter loss by promoting a faster and more efficient fermentation.	Reduces dry matter loss by rapidly lowering grass or cereal silage pH and significantly improving bunklife by the action of <i>L. buchneri</i>	Helps protect nutritional quality in grass or cereal silages by rapidly lowering pH and improving bunklife as a result of the inclusion of a <i>L. buchneri</i> strain.	Combines the benefits of 1189 with greatly improving bunklife as a result of the inclusion of a <i>L. buchneri</i> strain.	Rapidly reduces pH and increases the starch digestibility in high-moisture corn, snaplage or earlage.	Omnibus product containing a <i>L. buchneri</i> strain to significantly improve silage bunklife.	Basic omnibus, fermentation product which rapidly lowers silage pH conserving valuable crop sugars while reducing protein degradation.				
	Fiber Technology product which improves digestibility with a novel <i>L. buchneri</i> strain making this product an excellent choice for high-production animals fed high levels of forage.		Best suited for silages that have excellent face management.	Fiber Technology product containing a novel <i>L. buchneri</i> strain which improves fiber digestion making this product ideal for high-alfalfa rations fed to high production animals.		Significantly reduces protein degradation in alfalfa silages.	Fiber Technology product containing a novel <i>L. buchneri</i> strain to improve bunklife and significantly increase fiber digestion. Best suited to high-production animals fed high levels of forage.		Helps improve feed efficiency and rate of gain in animals fed high-moisture shelled corn, snaplage or earlage.		Best suited to silages and management situations where silage face management and aerobic stability are a challenge.					
	Allows for reduction in concentrate and protein supplementation to reduce total feed costs.			Allows for reduction of protein and/or concentrate supplementation to reduce overall feed cost.			Allows for reduction in ration concentrate and protein supplementation costs.									
Improves Fermentation	**	**	***	**	**	***	**	**	***	***	Varies by crop					
Enhances Bunklife	***	***	*	***	***	**	***	***	***	*						
Improves Fiber Digestibility	***	**	**	***	*	*	***	*								

Relative Ratings \* = Good; \*\* = excellent; \*\*\* = outstanding, NA = Not applicable. **IMPORTANT:** Information and ratings are based on relative comparisons with other Pioneer brand inoculants within each specific crop, not competitive products. Information and ratings are assigned by Pioneer Forage Additive Research, based on average performance across area of use under normal conditions, over a wide range of both environment and management conditions, and may not predict future results. Product responses are variable and subject to any number of environmental and management conditions. Please use this information as only part of your product positioning decision. Refer to [www.pioneer.com/inoculants](http://www.pioneer.com/inoculants) or contact a Pioneer sales professional for the latest and most complete listing of traits and scores for each Pioneer brand product. **Fermentation** – rate and extent of pH decline and the composition of fermentation acids occurring in silage. **Bunklife** – relative heat development compared to ambient temperature. Bunklife considers both how quickly silage begins to heat and the amount of heat generated while remaining above ambient temperature. **Fiber Digestibility** – the digestibility of neutral detergent fiber (NDF) by the ruminant animal expressed as a percentage of the total NDF. ®, SM, TM Trademarks and service marks of Pioneer Hi-Bred.



Preserve  
and Protect

# Corn Silage



## 11CFT



- Reduces dry matter loss by rapidly lowering pH. Also contains *L. buchneri* to significantly reduce aerobic losses at feedout.
- Fiber Technology product which improves digestibility with an enzyme that is produced by a novel *L. buchneri* strain making this product an excellent choice for high-production animals fed high levels of forage.
- Allows for reduction in concentrate and protein supplementation to reduce total feed costs.

## 11C33

- Improves silage feeding quality and bunklife by rapidly lowering pH and significantly improves bunklife as a result of the inclusion of a *L. buchneri* strain.

## 1174/1177

- Basic fermentation product which rapidly lowers silage pH conserving valuable crop sugars while reducing protein degradation.

	CORN FIBER TECHNOLOGY <b>11CFT</b> <i>Contains L. buchneri</i>	CORN SILAGE <b>11C33</b> <i>Contains L. buchneri</i>	MULTI-CROP <b>1174/1177</b>
			
Improves Fermentation	**	**	**
Enhances Bunklife	***	***	*
Improves Fiber Digestibility	***	**	*

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# Right Product Right Acre

## Alfalfa

- 55V48** — muscle variety
- 55V50** — muscle variety
- 55V12** — muscle/lodging resistant
- 54Q32** — high forage quality
- 53H92** — leafhopper resistant
- 55H94** — leafhopper resistant
- 54R01** — GENRR quality
- 54R02** — GENRR muscle
- 54QR04** — GENRR quality



	ALFALFA FIBER TECHNOLOGY	ALFALFA SILAGE	GRASS FIBER TECHNOLOGY	GRASS/CEREAL SILAGE	MULTI-CROP	
	<b>11AFT</b> <i>Contains L. buchneri</i>	<b>11H50</b>	<b>11GFT</b> <i>Contains L. buchneri</i>	<b>11G22</b> <i>Contains L. buchneri</i>	<b>11A44</b> <i>Contains L. buchneri</i>	<b>1174/1177</b>
					Varies by crop	
Improves Fermentation	**	***	**	**		
Enhances Bunklife	***	**	***	***		
Improves Fiber Digestibility	***	*	***	*		

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Preserve  
and Protect

# High-Moisture Corn



**11B91**

- Combines the benefits of 1189 with greatly improved bunklife as a result of the inclusion of a *L. buchneri* strain.

**1189**



- Rapidly reduces pH and increases the starch digestibility in high-moisture corn, snaplage or earlage.
- Helps improve feed efficiency and rate of gain in animals fed high-moisture shelled corn, snaplage or earlage.

**11A44**

- Contains a *L. buchneri* strain to significantly improve silage bunklife.
- Best suited to silages and management situations where silage face management and aerobic stability are a challenge.

**1174/1177**

- Basic fermentation product which rapidly lowers silage pH conserving valuable crop sugars while reducing protein degradation.

	HIGH-MOISTURE CORN		MULTI-CROP	
	<b>11B91</b> <i>Contains L. buchneri</i>	<b>1189</b>	<b>11A44</b> <i>Contains L. buchneri</i>	<b>1174/1177</b>
				
Improves Fermentation	***	***	Varies by crop	
Enhances Bunklife	***	*		
Improves Fiber Digestibility	NA	NA		



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