

MATURITY, MOISTURE, and CHOP LENGTH RECOMMENDATIONS FOR PIONEER® BRAND INOCULANTS – NORTH AMERICA 2011

The ranges suggested below are for “optimum” ensiling and nutritional value. Harvesting outside these ranges may have an impact on silage compaction, fermentation, nutritional quality and bunklife. Also consult storage structure manufacturer recommendations. Discuss with your Pioneer sales professional the relative benefits of the different inoculants available for each crop type.

-----Storage Type-----								
Silage Crops	Maturity	Inoculant	Bunker	Stave	Sealed	Bagged	Balage	TLC*
-----% Whole Plant Moisture-----								--inches--
Corn Silage	Milk line 1/8-3/4 down the kernel	† 11CFT*	62-70	62-70	60-70	60-70	N/A	Unprocessed 3/8 – 5/8
		11C33*	62-70	62-70	60-70	60-70	N/A	
		1132	62-70	62-70	60-70	60-70	N/A	Processed 3/8 – 3/4
		1174 or 1177	62-70	62-70	60-70	60-70	N/A	
Alfalfa Silage (Not >20% grass)	Mid to late bud or 26-36" stems or <40% NDF	† 11AFT*	55-68	55-68	40-60	55-65	50-60	1/4 - 1/2
		11G22*	55-68	55-68	40-60	55-65	50-60	
		11H50	55-68	55-68	40-60	55-65	50-60	
		1174 or 1177	55-68	55-68	40-60	55-65	50-60	
Grass Silage (Not >20% legumes)	When stems start elongating	† 11GFT*	55-68	55-68	40-60	55-65	N/A	1/4 - 1/2
		11G22*	55-68	55-68	40-60	55-65	N/A	
		1174 or 1177	55-68	55-68	40-60	55-65	50-60	
Cereal Silage (oat, wheat, barley)	Grain: boot to soft dough	† 11GFT*	55-68	55-68	40-60	55-65	N/A	1/4 - 1/2
		11G22*	67-72	62-68	55-60	63-68	50-60	
		1174 or 1177	67-72	62-68	55-60	63-68	63-68	
Sorghum Silage	Grain: boot to milk stage	1174 or 1177	62-72	62-70	60-70	60-68	50-60	3/8 - 1/2

High Moisture Corn**		-----% Whole Kernel Moisture-----					
Whole Unprocessed Corn	Grain at blacklayer	11B91*	N/A	N/A	24-28	N/A	
		1189	N/A	N/A	24-28	N/A	
Ground or Cracked Shelled	Grain at blacklayer	11B91*	24-32	24-32	24-28	24-32	
		1189	24-32	24-32	24-28	24-32	
Ground Ear Corn or Snaplage	Grain at blacklayer	11B91*	26-34	26-34	24-30	26-34	
		1189	26-34	26-34	24-30	26-34	

Symbol Key:

- † Fiber Technology for improved fiber digestibility
- * Contain *L. buchneri* strains for enhanced feed-out bunklife.
- ** Represents kernel moisture (not total ear)
- N/A Non-applicable.
- TLC = Theoretical Length of Chop