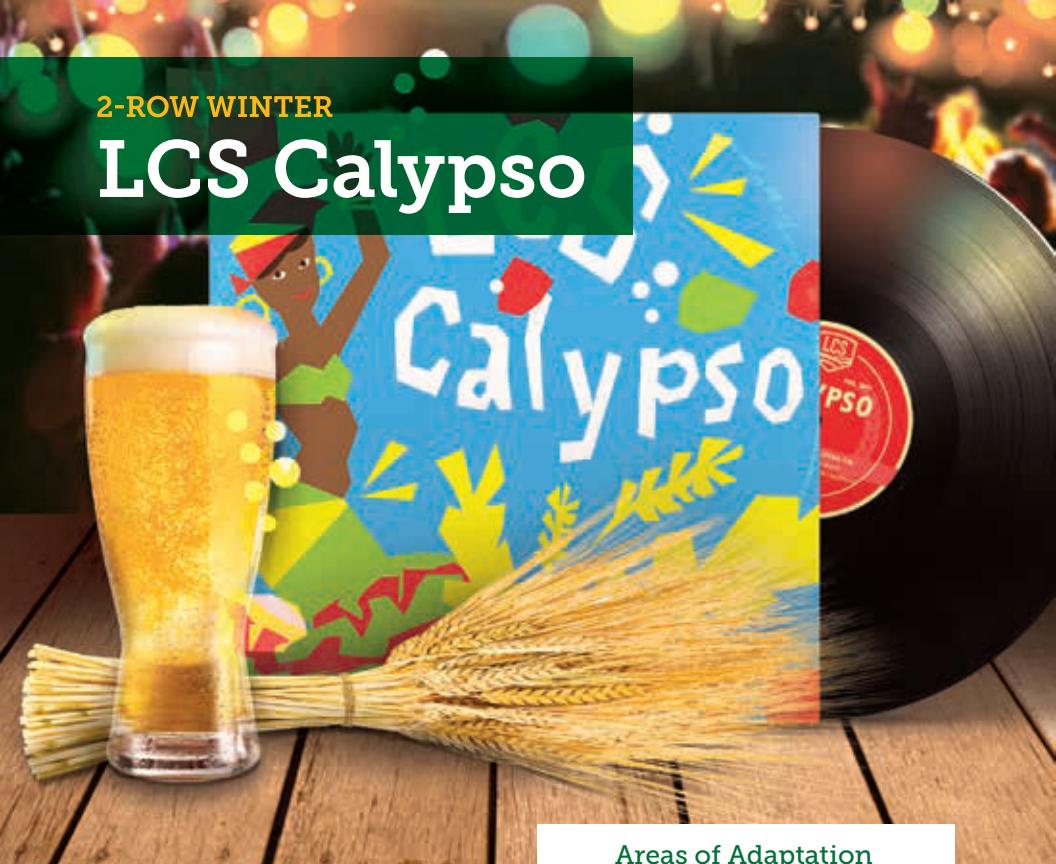


2-ROW WINTER

# LCS Calypso



## The Beginning of a Great Time

Promising across-the-board performance from a brand new variety to the U.S. market. Above average winter-hardiness and a strong disease resistance package.

### By the Numbers

**90 bu/ac.**

2-year average yield  
across Atlantic locations

**Lower levels**  
of beta-glucan

**Good**  
winter-hardiness

## Malting & Brewing LCS Calypso



### Malting Specifications

	Specification	2016 LCS <sup>1</sup> Fort Collins, Colorado	2015 WMBT <sup>2</sup> Glen Mills, Pennsylvania	2015 WMBT <sup>2</sup> Wooster, Ohio	2015 WMBT <sup>2</sup> Corvallis, Oregon	2016 WMBT <sup>2</sup> St. Paul, Minnesota
Barley	Plump (On 6/64) (%)	97.0	99.2	94.5	88.7	97.30
	Moisture (%)	10.4	-	-	-	-
	Total Protein (% d.b.)	13.1	-	-	11.6	14.10
	Pre-Harvest Sprouting (RVA)	152.0	-	-	-	-
	DON (ppm)	< 0.1	-	-	-	-
Malt	Extract, Fine Grind (% d.b.)	80.5	81.8	81.5	79.4	80.7
	Wort Color (Deg. Lov.)	1.85	-	2.28	2.38	1.40
	Diastatic Power (Deg. L.)	206	96	132	198	211
	Alpha Amylase (D.U.)	52.3	35.2	50.4	54.4	50.1
	Soluble Protein (% d.b.)	4.80	3.28	4.20	4.52	4.81
	Total Protein (% d.b.)	12.8	8.3	11.5	12.3	13.5
	Soluble/Total Protein (% d.b.)	37.5	40.3	37.7	38.6	35.5
	Beta-Glucan (ppm)	38	25	171	93	148
	Free Amino Nitrogen (FAN)	223	124	171	187	186

Malt House Analysis <sup>1</sup>						
Chitting (%)	Steep Out Moisture (%)	Malt Yield (%)	96-Hour Acrospire Count			
			0-1/4	>1/4-1/2	>1/2-3/4	>3/4-1
95	45.3	91.4	0	0	5	70
						25

<sup>1</sup> LCS data, obtained from Hartwick College:

[hartwick.edu/about-us/centers-institutes/center-for-craft-food-and-beverage/](http://hartwick.edu/about-us/centers-institutes/center-for-craft-food-and-beverage/)

<sup>2</sup> Data obtained from Winter Malting Barley Trial (WMBT): [triticeaetoolbox.org/barley/](http://triticeaetoolbox.org/barley/)



970.498.2200

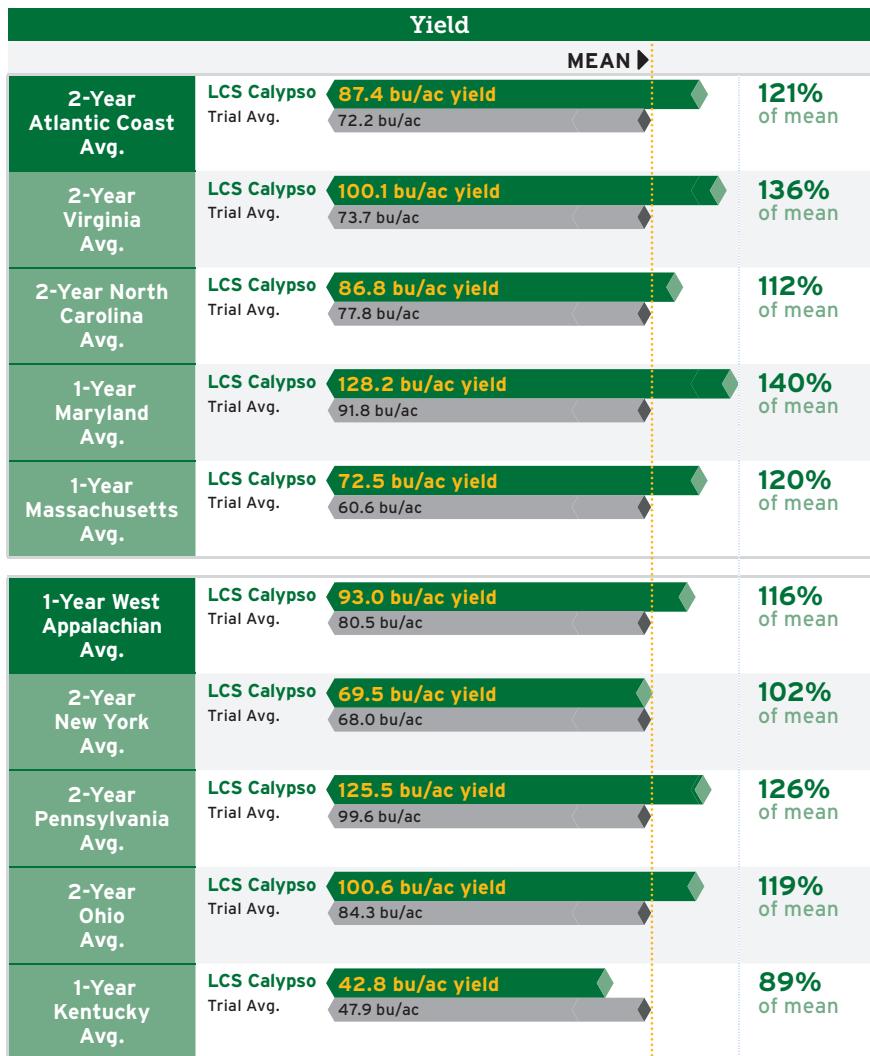


LimagrainCerealSeeds.com



Unauthorized propagation prohibited. U.S. Protected applied for – 1994 PVPA.  
Single-season use grower agreement required.

# Growing LCS Calypso



Yield		
2-Year Upper Midwest Avg.	LCS Calypso Trial Avg. 80.8 bu/ac yield 69.0 bu/ac	117% of mean
2-Year Wisconsin Avg.	LCS Calypso Trial Avg. 65.3 bu/ac yield 60.2 bu/ac	109% of mean
1-Year Minnesota Avg.	LCS Calypso Trial Avg. 149.2 bu/ac yield 118.9 bu/ac	125% of mean

Agronomic Features					
WMBT Atlantic Coast					
	TW (lb/bu)	Height (in)	Winter-Hardiness (DOM*)	Heading (RVA)	Lodging (0-9)
LCS Calypso	43.8	31.7	97.0	2.6	0.7
Charles	39.3	24.5	96.3	-3.8	3.9
Thoroughbred	46.3	31.8	97.5	-4.0	1.6
Wintmalt	43.9	28.4	96.7	5.3	0.6
WMBT West Appalachian					
	TW (lb/bu)	Height (in)	Winter-Hardiness (DOM*)	Heading (RVA)	Lodging (0-9)
LCS Calypso	50.4	35.3	100.0	0.6	1.4
Charles	44.4	26.9	99.4	-2.0	3.4
Thoroughbred	51.7	38.3	100.0	-4.2	1.4
Wintmalt	49.3	31.6	99.4	3.8	0.5
WMBT Upper Midwest					
	TW (lb/bu)	Height (in)	Winter-Hardiness (DOM*)	Heading (RVA)	Lodging (0-9)
LCS Calypso	-	34.3	76.6	0.3	2.0
Charles	-	30.4	73.6	0.6	5.0
Thoroughbred	-	32.5	97.2	-1.9	4.0
Wintmalt	-	32.6	86.3	2.8	2.0
WMBT Atlantic Coast Disease					
	FHB Index (0-100)	Net Blotch (0-9)	Powd. Mildew (0-9)		
LCS Calypso	2.7	2.6	0.0		
Charles	4.2	4.0	0.0		
Thoroughbred	0.9	5.4	3.6		
Wintmalt	4.9	2.8	1.0		

Data compiled from Winter Malting Barley Trial (WMBT) 2016 & 2015 crop years  
 Full data sets available: <https://triticeatoolbox.org/barley/>  
 \*Days off mean of trial