INSTITUTE OF AGRICULTURE
Lithuanian Research Centre
for Agriculture and Forestry

CROP VARIETIES

WINTER WHEAT

Ada
- Registered in Lithuania in 2001
- Quality group – E
- Early maturity
- In 2011–2013, in Kaunas Plant Variety Testing Station (PVTS), in post-control trials the average grain yield was 8.9 t/ha

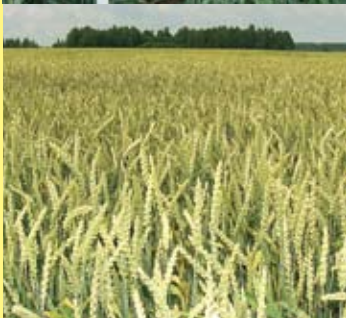
Vikaras DS
- Registered in Lithuania in 2011
- Quality group – A
- In 2008–2010, in Kaunas PVTS, the average grain yield was 10.90 t/ha

Kena DS
- Registered in Lithuania in 2014
- Quality group – E
- In 2010–2013, in Pasvalys PVTS, the average grain yield was 10.20 t/ha

Gaja DS
- Registered in Lithuania in 2015
- Quality group – A-B
- In 2011–2014, in Pasvalys PVTS, the average grain yield was 10.02 t/ha

Sedula DS
- Registered in Lithuania in 2015
- Quality group – A
- In 2012–2014, in Plungė PVTS, the average grain yield was 9.91 t/ha

Herkus DS
- Registered in Lithuania in 2016
- Quality group – A
- Medium maturity
- In 2012–2015, in Pasvalys PVTS, the average grain yield was 11.4 t/ha
- In 2015, the maximum grain yield of 13.3 t/ha was produced



Agrobiological properties of winter wheat varieties
Institute of Agriculture, LAMMC, 2015–2016

Variety	Ada	Vikaras DS	Kena DS	Gaja DS	Sedula DS	Herkus DS
Winter hardiness, points						
Number of productive stems, m^2						
Number of grain per ear						
1000 grain weight, g						
Protein, %						
Gluten, %						
Sedimentation, ml						
Falling number, s						
Hectolitre weight, g/l						
Grain yield, t/ha						
Length of the growing season, days						
Height, cm						
Lodging resistance, points						
Fusarium head blight, points						
Powdery mildew, points						
Septoria leaf blotch, points						
Tan spot, points						

Very good (the highest, the most resistant)
Good
Medium
Satisfactory (the lowest, the most susceptible)

RYE

Joniai

- Registered in Lithuania in 2002
- In 2000–2001, in PVTSs, the average grain yield was 6.16 t/ha
- In 2004, the highest yield of 9.22 t/ha was produced

Virgiai

- Registered in Lithuania in 2010
- In 2007–2009, in PVTSs, the average grain yield was 6.82 t/ha
- In 2008, the highest grain yield of 8.35 t/ha was produced

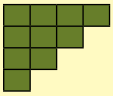
VB Duoniai

- Registered in Lithuania in 2011
- In 2007–2009, in PVTS, the average grain yield was 7.06 t/ha
- In 2009, the highest grain yield of 8.47 t/ha was produced

Agrobiological properties of rye varieties
Institute of Agriculture, LAMMC, 2014–2015

Variety	Virgiai	Joniai	VB Duoniai*
1000 grain weight, g	■■■□	■■■□	■■■□
Protein, %	■■■□	■■■□	■■■□
Starch, %	■■■■	■■■■	■■■□
Falling number, s	■■■□	■■■□	■■□□
Grain yield, t/ha	■■■■	■■■■	■■■■
Winter hardiness, points	■■■■	■■■■	■■■■
Height, cm	■■■□	■■■□	■■■□
Lodging resistance, points	■■■□	■■■□	■■■□
Powdery mildew, points	■■■■	■■■■	■■■■
Scald, points	■■■□	■■■□	■■■□
Brown rust, points	■■■□	■■■□	■■■■

* – developed at Vokė Branch, LAMMC



Very good (the highest, the most resistant)
Good
Medium
Satisfactory (the lowest, the most susceptible)

SPRING BARLEY

Alisa DS
- Registered in Lithuania in 2011
- Malting
- In 2008, in Kaunas PVTS, the grain yield was 9.16 t/ha

Arka DS
- Registered in Lithuania in 2011
- Forage type
- In 2008, in Kaunas PVTS, the grain yield was 9.35 t/ha

Noja DS
- Registered in Lithuania in 2012
- Forage type
- Medium early maturity
- In 2009, in Šilutė PVTS, the grain yield was 7.48 t/ha

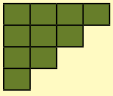
Ema DS
- Registered in Lithuania in 2013
- Forage type
- Very good tillering
- In 2012, in Pasvalys PVTS, the grain yield was 8.48 t/ha

Kirsna DS
- Registered in Lithuania in 2013
- Forage type
- In 2012, in Pasvalys PVTS, the grain yield was 8.10 t/ha

Rusnė DS
- Registered in Lithuania in 2016
- Forage type
- Medium maturity
- Very good tillering
- In 2013–2015, in PVTSs, the average grain yield was 8.16 t/ha
- In 2015, in Pasvalys PVTS, the maximum grain yield of 11.05 t/ha was produced

Agrobiological properties of spring barley varieties
Institute of Agriculture, LAMMC, 2015–2016

Variety	Alisa DS	Arka DS	Noja DS	Ema DS	Kirsna DS	Rusnė DS
Number of productive stems, m^2						
Number of grain per ear						
Hectolitre weight, g/l						
1000 grain weight, g						
Protein, %						
Starch, %						
Grain yield, t/ha						
Length of the growing season, days						
Height, cm						
Lodging resistance, points						
Fusarium head blight, points						
Powdery mildew, points						
Net blotch, points						
Spot blotch, points						
Scald, points						
Ramularia lef spot, points						
Loose smut, points						



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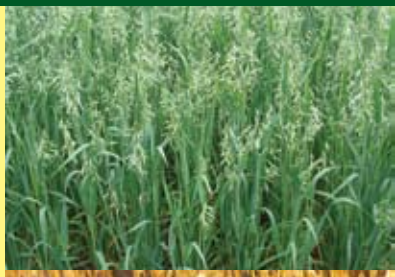
Good
Medium
Satisfactory (the lowest, the most susceptible)

OATS



Mina DS

- Registered in Lithuania in 2010
- Hulless
- In 2008–2009, in PVTSs, the average grain yield was 5.41 t/ha
- In 2008, in Kaunas PVTS, the grain yield reached 6.9 t/ha

Viva DS

- Registered in Lithuania in 2015
- Low hull content, high hectolitre weight
- In 2013–2014, in PVTSs, the average grain yield was 7.51 t/ha
- In 2014, in Kaunas PVTS, the grain yield reached 9.2 t/ha, in Vilnius PVTS – 9.04 t/ha

Agrobiological properties of oats varieties Institute of Agriculture, LAMMC 2015–2016

Variety	Mina DS*				Viva DS			
Hectolitre weight, g/l	■	■	■		■	■	■	■
1000 grain weight, g	■	■	■		■	■		
Protein, %	■	■	■		■	■	■	
Starch, %	■	■	■	■	■	■	■	
Fat, %	■	■	■	■	■	■	■	
ß-glucans, %	■	■	■		■	■		
Hull content, %	■				■	■		
Grain yield, t/ha	■	■	■		■	■	■	■
Length of the growing season, days	■	■	■	■	■	■	■	
Height, cm	■	■	■		■	■	■	
Lodging resistance, points	■	■	■	■	■	■	■	■
Fusarium head blight, points	■	■	■		■	■	■	
Leaf blotch, points	■	■	■		■	■	■	
Crown rust, points	■	■	■	■	■	■	■	■
Loose smut, points	■	■	■	■	■	■	■	

* – 'Mina DS' is a hulless variety, therefore its grain yield and hull content were not compared with those of other oats varieties

■ Very good (the highest, the most resistant)
■ Good
■ Medium
■ Satisfactory (the lowest, the most susceptible)

BEANS AND VETCH

Reda DS

- Registered in Lithuania in 2010
- Resistant to lodging
- Resistant to diseases
- In 2009, in Kaunas PVTS, the grain yield was 7.26 t/ha

Agrobiological properties of beans variety Institute of Agriculture, LAMMC, 2015–2016

Variety	Reda DS			
Grain yield, t/ha				
1000 grain weight, g				
Length of the growing season, days				
Lodging resistance, points				
Resistance to grain shattering, points				
Height, cm				
Protein, %				
Number of pods per stem				
Number of grain per plant				
Chocolate spot, points				
Rust, points				

Aisiai

- Registered in Lithuania in 2001
- In 1998–2000, in PVTS, the grain yield was 3.36 t/ha dry matter
- In 1998, the highest grain yield of 5.95 t/ha dry matter was produced

Agrobiological properties of vetch variety Institute of Agriculture, LAMMC, 2015–2016

Variety	Aisiai			
1000 grain weight, g				
Grain yield, t/ha				
Height, cm				
Lodging resistance, points				
Length of the growing season, days				
Resistance to grain shattering, points				

PEAS

Simona

- Registered in Lithuania in 2008
- Semi-leafless
- Yellow grain
- Resistant to diseases
- In 2006, in Kaunas PVTS, the grain yield was 4.05 t/ha

Ieva DS

- Registered in Lithuania in 2015
- Semi-leafless
- Yellow grain
- Resistant to diseases
- Resistant to lodging
- In 2014, in Kaunas PVTS, the grain yield was 7.23 t/ha

Jūra DS – a new variety

- Registered in Lithuania in 2017
- Semi-leafless
- Green grain
- Resistant to diseases
- Resistant to grain shattering
- In 2016, in Kaunas PVTS, the grain yield was 7.11 t/ha

Agrobiological properties of pea varieties
Institute of Agriculture, LAMMC, 2015–2016

Variety	Simona	Ieva DS	Jūra DS
Grain yield, t/ha	■■■	■■■■	■■■■
1000 grain weight, g	■■■	■■■	■■■■
Length of the growing season, days	■■■■	■■■■	■■■■
Resistance to lodging, points	■■■	■■■■	■■■
Resistance to grain shattering, points	■■■■	■■■■	■■■■
Height, cm	■■■	■■■■	■■■
Protein, %	■■■■	■■■	■■■■
Number of productive nodes per stem	■■■	■■■	■■■
Number of pods per stem	■■■	■■■■	■■■■
Number of grain per plan	■■■■	■■■■	■■■
Resistance to Ascochyta blight, points	■■■■	■■■■	■■■■

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Good
Medium
Satisfactory (the lowest, the most susceptible)

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