

CZE047

# Identification and updating data of eligible AEGIS accessions in both wheat and rye species (TRISECA)



## AEGIS RYE COLLECTION Czech Republic

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**TRISECA Meeting**

3-4 October 2017, Radzikow, Poland



European  
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**ECP/GR**

# Status of AEGIS candidate collection

## Number of AEGIS accessions per country of origin

ECPG Activity	ORIGCTY	T. aestivum (6X)	T.spelta (6X)	tetraploid wheat species (4X)	T.Monococcum (2X)	Secale cereale
TRAID						
TRISECA	CSK					32
	CZE					4

## Status of sample in AEGIS collection

(total – 36 accessions: 3 traditional cultivars/landrace + 33 advanced or improved cultivars)

# Summary of passport data (MCPD v2)

Country	Number of AEGIS accessions	INSTCODE	ACCENUMB	COLLNUMB
CZE	36	100 %	100 %	0 %
COLLCODE	GENUS	SPECIES	SPAUTHOR	SUBTAXA
0 %	100 %	100 %	100 %	100 %
SUBTAUTHOR	CROPNAME	ACCENAME	ACQDATE	ORIGCTY
11,1 %	100 %	100 %	<b>94,4 %</b>	100 %
COLLSITE	LATITUDE	LONGITUDE	ELEVATION	COLLDATE
0 %	0 %	0 %	0 %	0 %
BREDCODE	SAMPSTAT	ANCEST	COLLSRC	DONORCODE
<b>36,1 %</b>	100 %	<b>80,5 %</b>	36,1 %	13,9 %
DONORNUMB	OTHERNUMB	DUPLSITE	STORAGE	MLSSTAT
<b>2,8 %</b>	<b>77,8 %</b>	<b>100 %</b>	<b>100 %</b>	100 %
REMARKS	GR_CLASS	PLOIDY	REG_YEAR	SYNONYM_
0 %	100 %	100 %	<b>55,5 %</b>	<b>11,1 %</b>
EXP_CODE	SITE_DES	HERBAR_	PRINC_ATTR	ENTRY_DATE
0 %	0 %	<b>22,2 %</b>	0 %	0 %
MAN_CENTER	AVAILAB	AEGISSTAT		
0 %	100 %	100 %		

MANDATORY

OPTIONAL

## Summary of Rye C&E data 2017

Institute code	Nbr of Aegis accessions	1- Country of Characterisation	2-Year of Characterisation
CZE047	20	CZE	2017
3-Growth class	4-Plant height (class)	5-Plant height (cm)	6- Powdery mildew resistance
100 %	100 %	100 %	100 %
7- Stem rust resistance	8-Leaf rust resistance	9- Fusarium resistance	10- Eyespot resistance
0 %	0 %	0 %	0 %
11- TKW (class)	12-TKW ( g)	13- Grain protein content	
100 %	100 %	100 %	

## Summary of Rye C&E data All AEGIS collection

Institute code	Nbr of Aegis accessions	1- Country of Characterisation	2-Year of Characterisation
CZE047	36	CZE	
3-Growth class	4-Plant height (class)	5-Plant height (cm)	6- Powdery mildew resistance
100 %	97,2 %	97,2 %	55,5 %
7- Stem rust resistance	8-Leaf rust resistance	9- Fusarium resistance	10- Eyespot resistance
66,7 %	47,2 %	13,9 %	0 %
11- TKW (class)	12-TKW ( g)	13- Grain protein content	
97,2 %	97,2 %	72,2 %	

# Diversity within the AEGIS collection

*Stand – number of spikes - diversity within AEGIS collection*

Number of spikes	Number of accesions
Low to medium (301-400)	2
Medium (401-500)	9
Medium to high (501-600)	5
High (601-700)	2
High to very high (701-800)	2
Very high (> 800)	8

# Diversity within the AEGIS collection

## *Lodging – resistance – diversity within AEGIS collection*

Lodging - resistance	Number of accessions
Low	4
Low to medium	6
Medium	11
Medium to high	4
High	2
High to very high	4
Very high	1

# Diversity within the AEGIS collection

## *Plant – coleoptile color – diversity within AEGIS collection*

Color of coleoptile	Number of accessions
Light green	3
Dark green	11
Violet	10



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# Thank you for your attention!



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