



*energen*



**INTRODUCTION**  
**of**  
**EGT system spol. s r.o.**

# EGT SYSTEM SPOL. S R.O. PRODUCES ENERGEN

**Sales in the Czech Republic are carried out jointly with consultancy on plant physiology.**



**WHEAT VARIETY EXPERIMENTS IN LUKAVEC  
CONDUCTED SINCE 2010**



**ON-SITE CONSULTANCY IN SLOVAKIA STATION  
POHRONSKÝ RUSKOV**

# EGT DEVELOPMENT TEAM

**HEAD JAROSLAV MACH**



**PHYSIOLOGIST KAMIL KRAUS, CUA, PHYSIOLOGY FACULTY, PRAGUE**



**PHYSIOLOGIST AND EXPERIMENTER – PHYTOTRON - LENKA VINŠOVÁ**



**EXPERIMENTER KLÁRA MACHOVÁ**

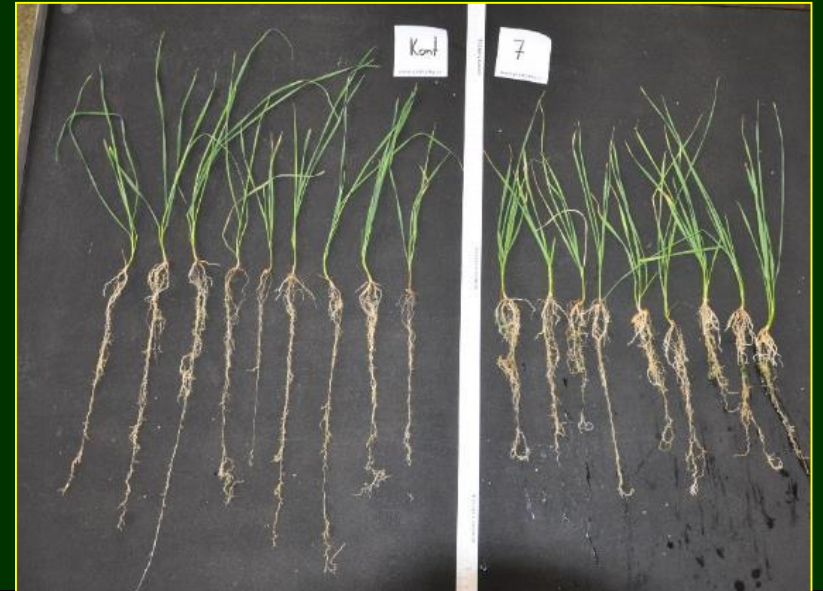
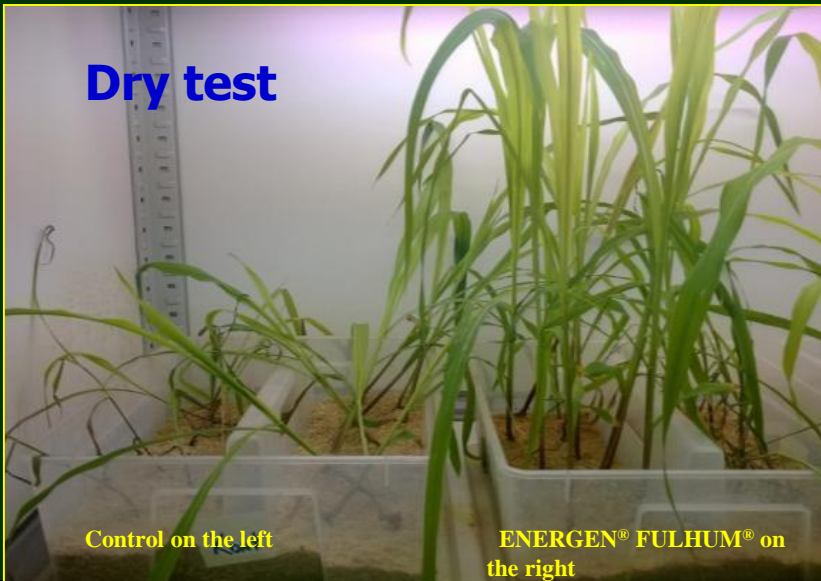




# Methods of our work – cultivation boxes

EGT system spol. s r.o.

Examples of continuous processing of experiments with **ENERGEN** products and individual raw materials and active substances





# Methods of our work - small-plot experiments

EGT system spol. s r.o.

## Examples of continuous processing of experiments with **ENERGEN** products

Private experimental station in Lukavec (owner Mr. Veleta) – assortment of winter wheat





# EXPERIMENTS WITH ENERGEN – OUR PARTNERS

## Cooperation in experimentation



## Experimental station



## Unions and associations



## Commercial partners





# ENERGEN FIELD DAYS IN LUKAVEC



## EXPERIMENTAL STATION LUKAVEC NEAR PACOV





# **REGISTRATIONS AND EXPERIMENTS ABROAD**



# ABROAD

## UKRAINE, SERBIA, POLAND, BELARUS, CROATIA, KAZAKHSTAN, GEORGIA, LANZAROTE



Ukraine



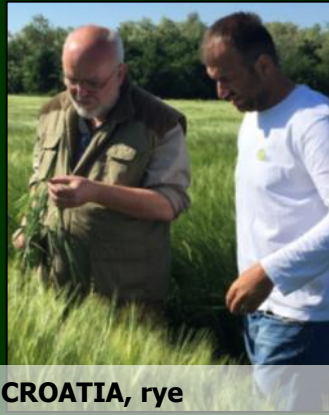
GRAPEVINE - RUSSIA



POLAND – control on the left



Belarus



CROATIA, rye



Kazakhstan



Kazakhstan



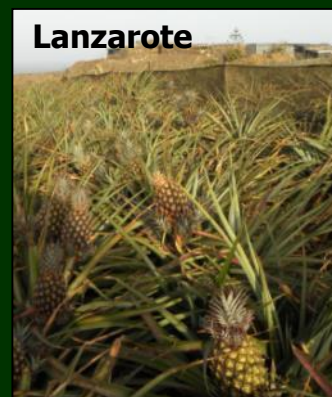
Georgia



Lanzarote



Lanzarote



Lanzarote



Info films on Lanzarote at Youtube channel – ENERGEN CZ



# ABROAD

**Commercial experiments continue in AUSTRALIA – in sugar beet, wheat, rape, pulse crops, vegetables and grapevine.**



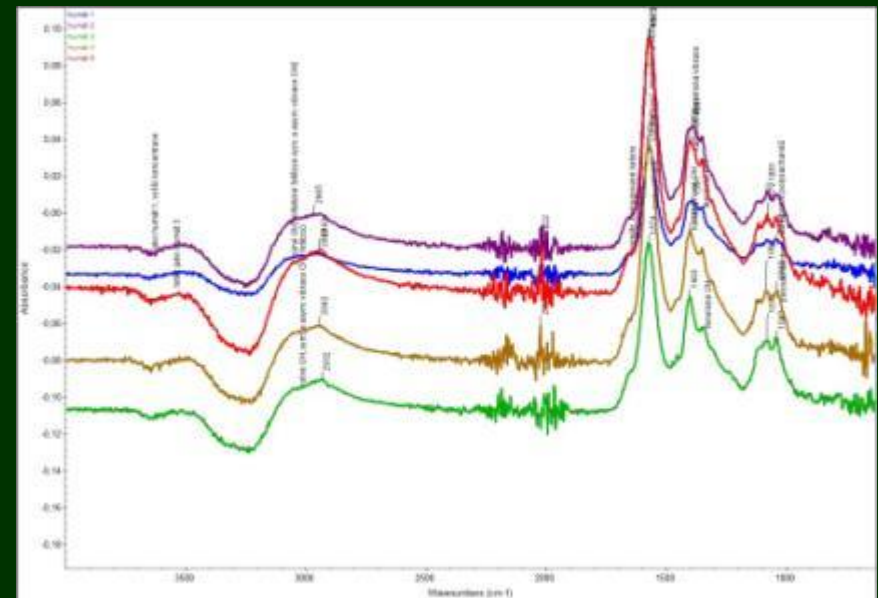
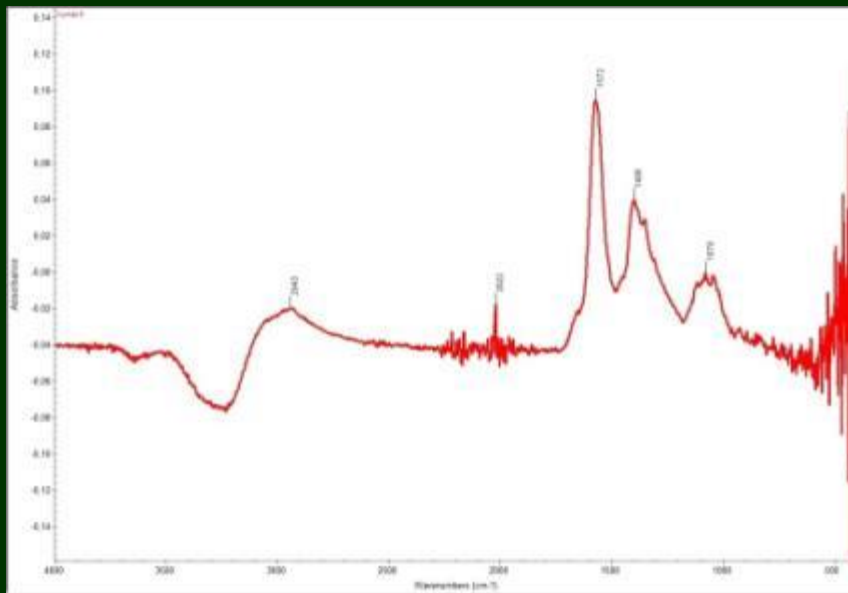


# AGENTS

# EGT

## is a producer of humic substances

We develop and produce them from available raw materials in cooperation with our partners. We learn from analytical infrared-spectrum charts which substances specifically work and how they do so with respect to plants and soil and how to use them for plant growth to the maximum.





# **BASIC EFFECTS OF AGENTS:**

**INDUCTION OF  
ENHANCED SUGAR  
FORMATION IN  
PLANTS**

**ANTI-STRESS  
EFFECTS AGAINST  
DROUGHT – RETAINS  
WATER IN THE  
PLANT**

**INCREASED LEAF AREA  
AND PERFORMANCE OF  
THE PHOTOSYNTHETIC  
APPARATUS**

**CLEANSTORM - ANTIFUNGAL  
AND BACTERICIDAL ACTION**

**PROMOTION OF  
GROWTH OF THE ROOT  
SYSTEM**

**NITRATE REDUCTASE  
ACTIVATION –  
INCREASED INTAKE  
AND INCORPORATION  
OF NITRATE FORMS OF  
NITROGEN**



# 0.5 l/ha ENERGEN FULHUM® PLUS

Intended primarily for supporting root formation in the first vegetation half.



**MAIN EFFECTS OF ENERGEN FULHUM® PLUS:**

**ROOT FORMATION AND KEEPING ROOTS DRY**

**INCREASES INTAKE AND USE OF N NUTRITION.**

**INCREASES RESISTANCE TO DROUGHT.**

# ENERGEN FRUKTUS PLUS

**GENERALLY FOR ALL CROPS DURING BUDDING, FLOWERING, SEED AND FRUIT GROWTH.**

**Crops - grapevine, fruit trees, rape, cereals, maize, sunflower, hop...**



**MAIN EFFECTS OF ENERGEN FRUKTUS:**

**REDUCES NL CONTENT IN CEREAL SEEDS (MALTING BARLEY)**

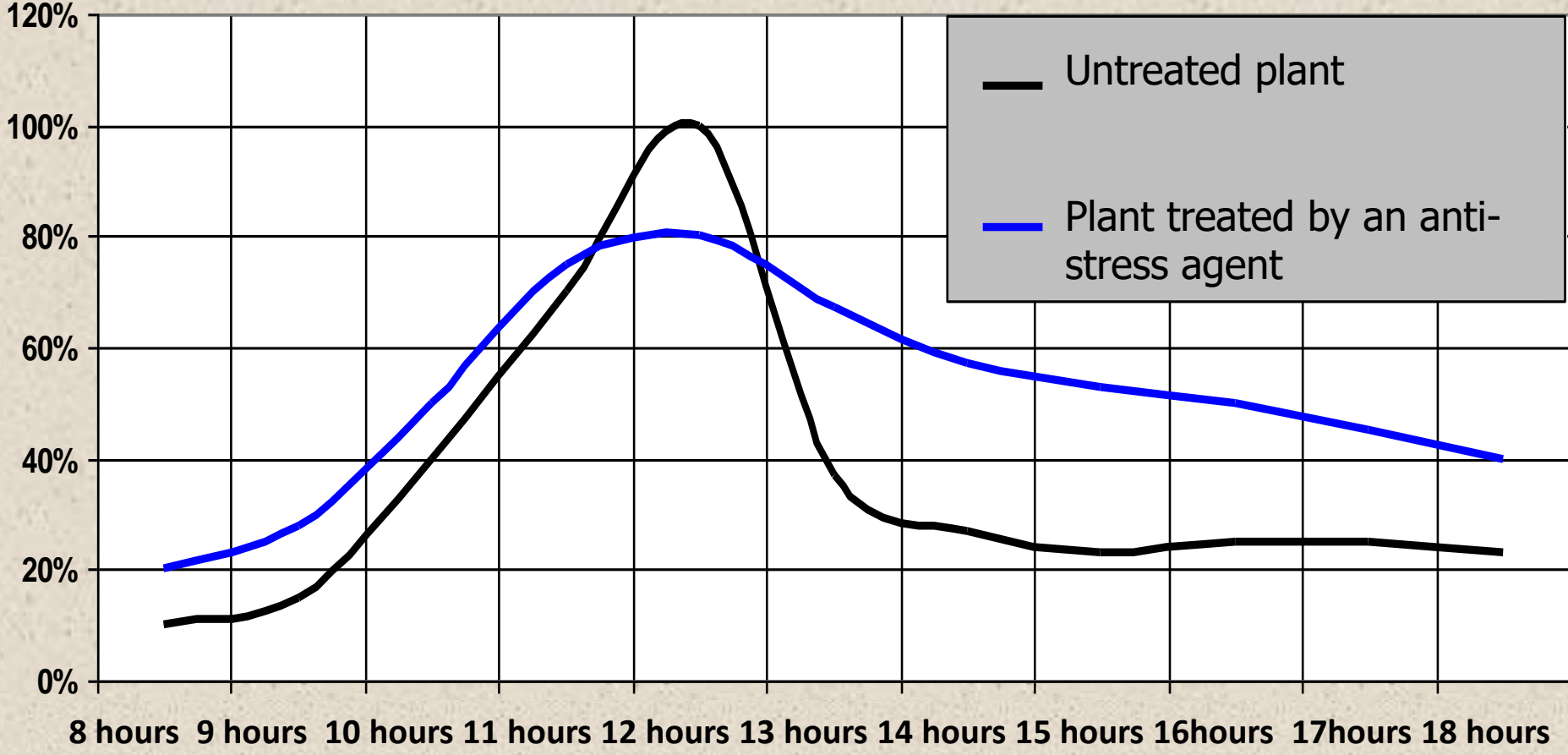
**HIGH EFFECT AGAINST DROUGHT**

**INCREASES SEED AND FRUIT SIZE.**

**FORMATION OF SUGAR, AROMATIC SUBSTANCES,  
EXTRACTS.**



# Performance of Photosystem II on a hot and dry day.



# Example of adaptogenic effect against drought in rape.

10 May 2010



19 May 2010





# Example of adaptogenic effect against drought in rape in 2010.

**Control 23 May 2010**



**PSO 23 May 2010**



**Control  
23 May 2010**



**PSO 23 May 2010**



# ENERGEN CLEANSTORM B

UNIVERSAL FOR ALL CROPS AFFECTED BY FUNGAL DISEASES



## MAIN EFFECTS OF ENERGEN CLEANSTORM B:

CONTAINS BORON

WETTING AND ADHESIVE EFFECT

SUPPORTING FUNGICIDE EFFECT.

INCREASES INTAKE AND PROCESSING OF N

ENHANCED EFFECT AGAINST COLD, FROST AND DROUGHT

INCREASES SEED AND FRUIT SIZE.

FORMATION OF SUGAR, AROMATIC SUBSTANCES, EXTRACTS.



# ENERGEN ALGAN

Intended universally for the whole plant vegetation - from germination to seed formation

UNDER THE LAW, ALGAN IS A TYPE PRODUCT INTENDED FOR ECOLOGICAL AGRICULTURE IN THE EU



**MAIN EFFECTS OF ENERGEN ALGAN:**

**ROOT FORMATION, KEEPING ROOTS DRY**

**INCREASES INTAKE AND USE OF N NUTRITION**

**INCREASES RESISTANCE TO DROUGHT.**





# THANK YOU FOR YOUR ATTENTION

