

Taimede kasvuhäirete mõju kultuuri saagikusele ja saagi kvaliteedile



Ettevõtte esitus

Vincent Claux
Tehniline direktor
Tradecorp Europa - Ida-Aafrika - Iraan

tradecorp nutri-performance

Strateegia

Meie strateegia põhineb viiel sambal:

Personalaalne tehniline tugi | Innovatsioon | Kvaliteet | Tööstusettevõtted (3 tehast) | Rahvusvahelisus (+ 70 riiki)

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Meie ajalugu & olulisemad arvnäitajad

- 1985 Asutamine Hispaanias
- 2000 Liitumine Sapec Group'iga
- 2017 Bridgepoint omab Sapec Agro Business'i

TÄNA

TEGEVUSALAD

ETTEVÕTTED

OLULISEMAD ARVNÄITAJAD 2017-18

Sapec Agro Business: 247 M€
Tradecorp: 102 M€ (500 inimest)
Tradecorp Europa: 31 M€ (55 inimest)

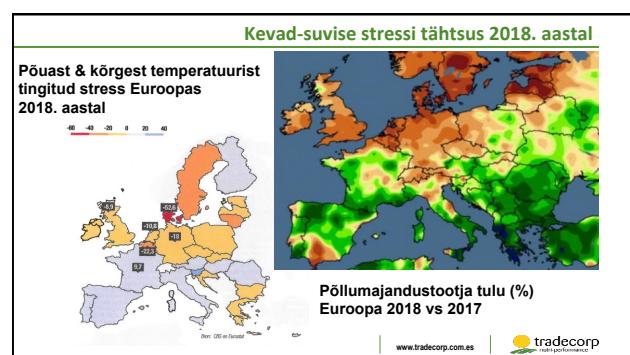
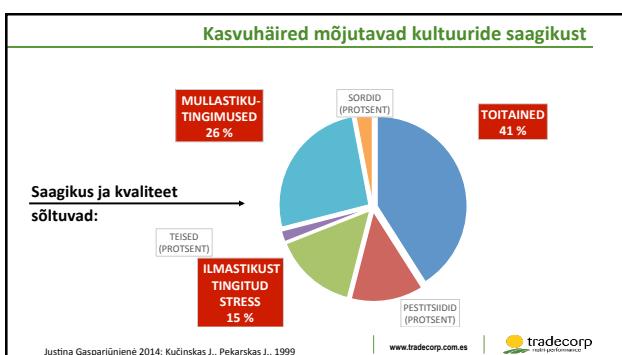
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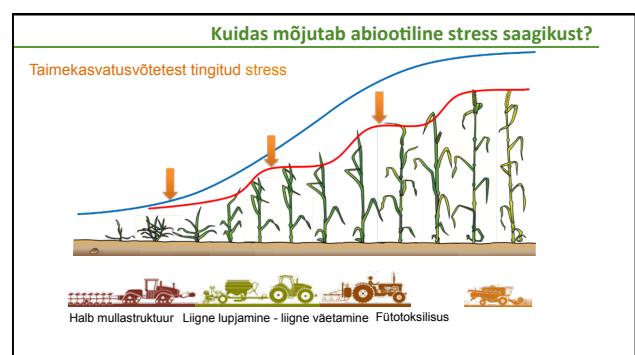
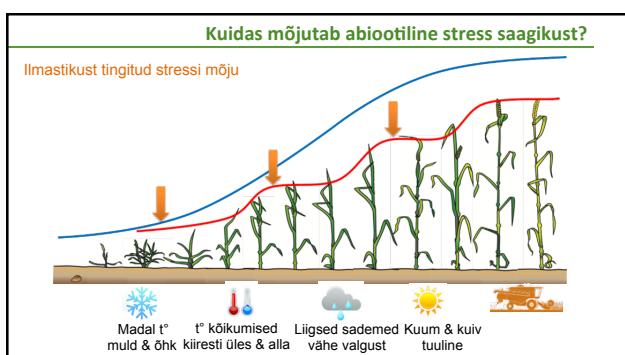
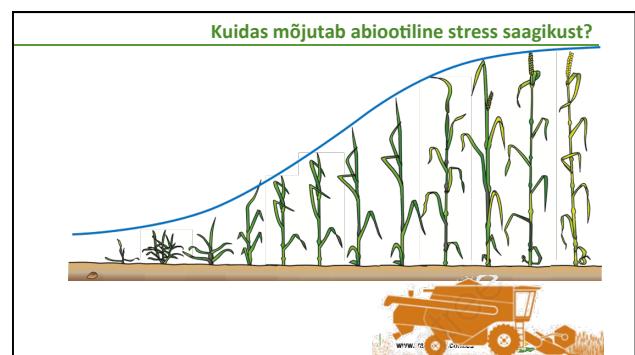
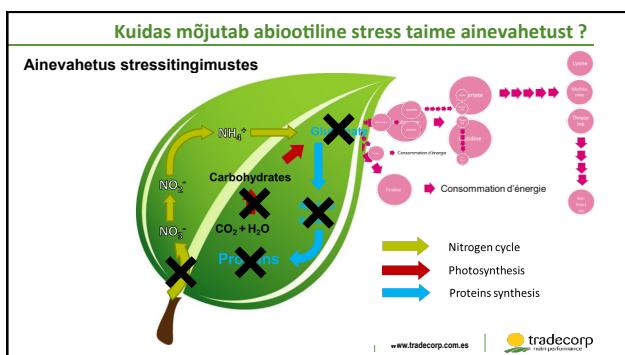
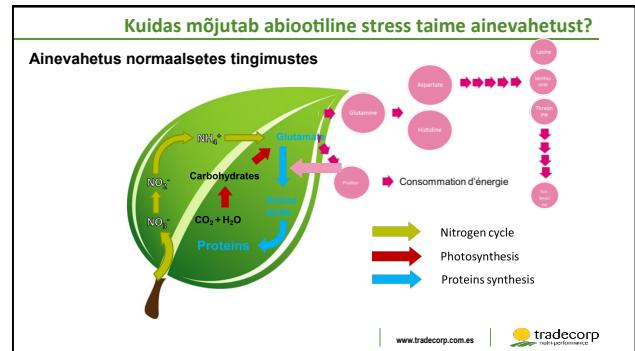
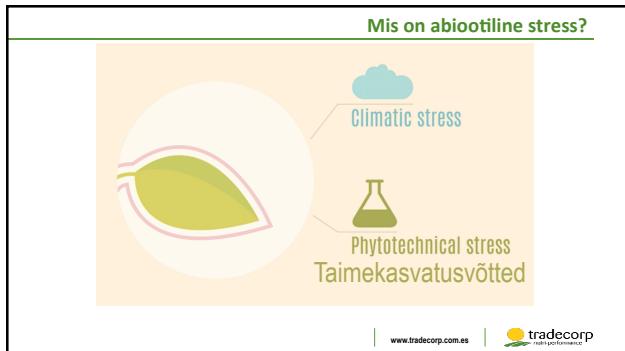
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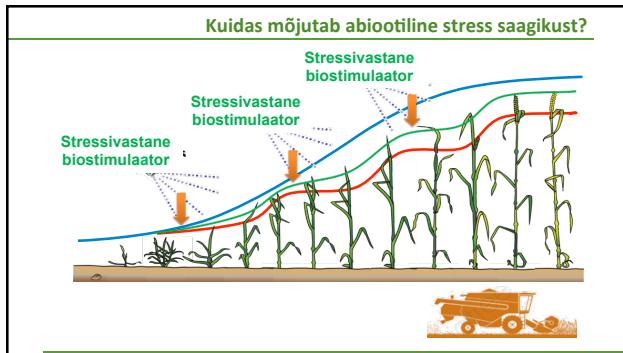
Mis on stress?

Vincent Claux
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Tradecorp Europa - Ida-Aafrika - Iraan

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Biostimulaatorid

Mis on biostimulaatorid?

- On olemas ametlikult tunnustatud ja ühlistatud biostimulaatorite definitsioon.
- Biostimulaatorid (kuigi nad sisaldavad ka toitaineid) parandavad toitumist, vastupidavust abiootilisele stressile, saagi kvaliteeti.
- Biostimulaatorid aitavad kaasa säastvale, suure väljundiga ja väheste sisenditega taimekasvatusele.

biostimulation 360° by tradecorp

Biostimulaatorid

Mis on biostimulaatorid?

Humiin/fulvhapped
Merevetikas
TaimEEKtraktid
Valgu hüdrolüsaadid
Kitosaan
Polümeerid
Kasulikud toitained
Kasulikud bakterid
Kasulikud seened

Efektiivne toitumine
Efektiivne vee kasutamine
Vastupidavus abiootilisele stressile
Saagikus
Saagi kvaliteet

Tradecorp'i biostimulaatorid

Mis on biostimulaatorid?

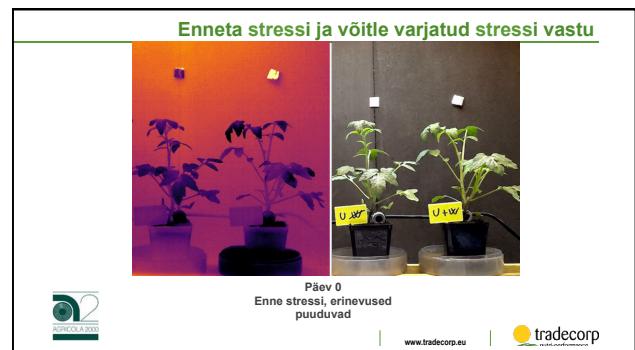
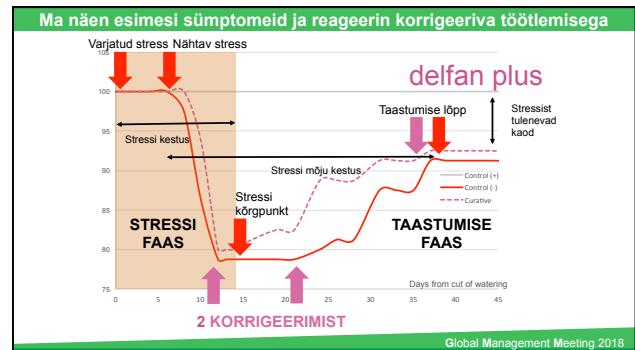
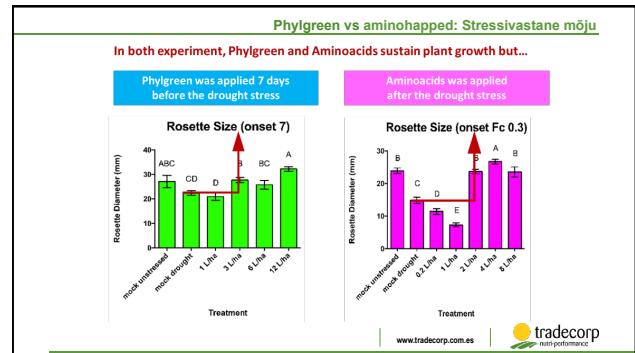
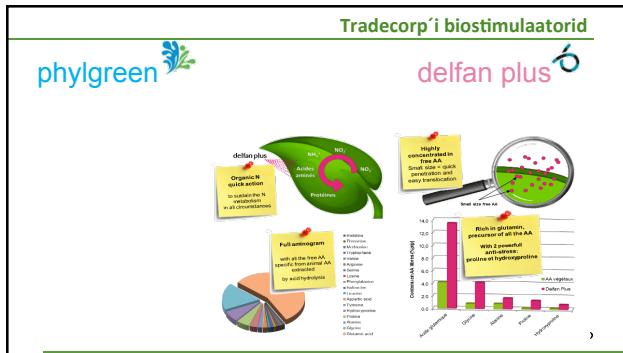
Merevetikas phylgreen **Valgu hüdrolüsaadid delfan plus**

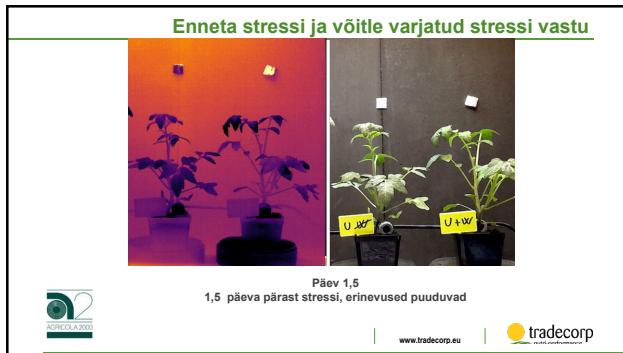
Efektiivne toitumine
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Vastupidavus abiootilisele stressile
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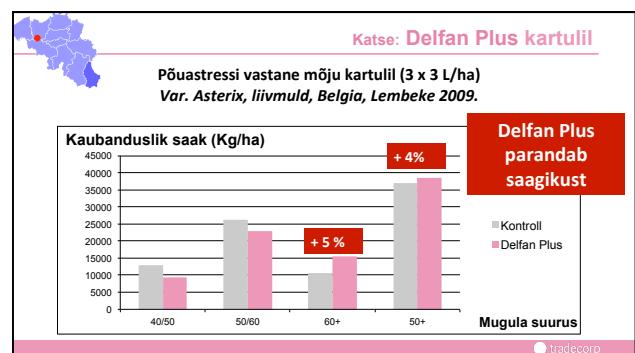
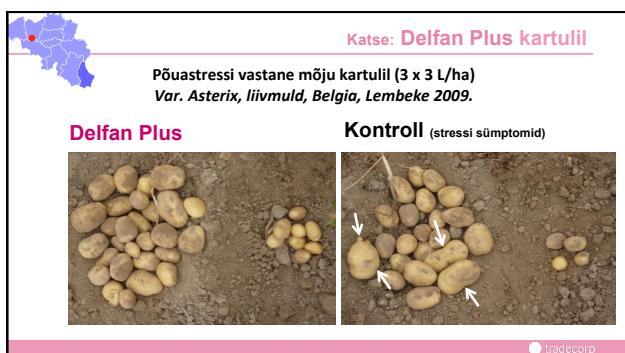
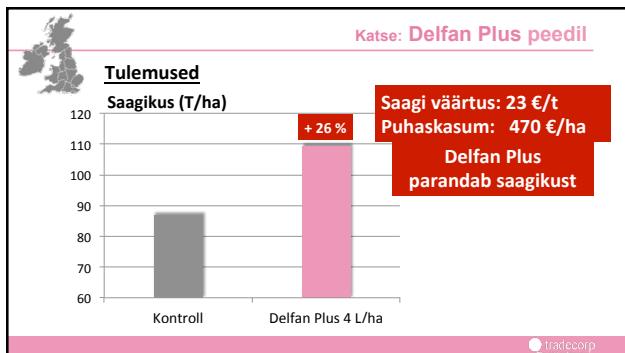
Tradecorp'i biostimulaatorid

phylgreen **delfan plus**

EÜ 1774/2002







Katse: Delfan Plus nisul

AGRIAL

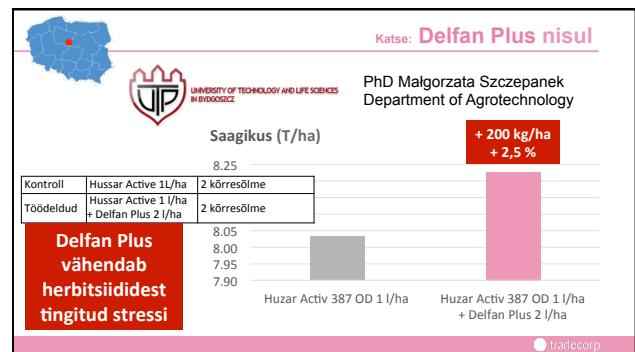
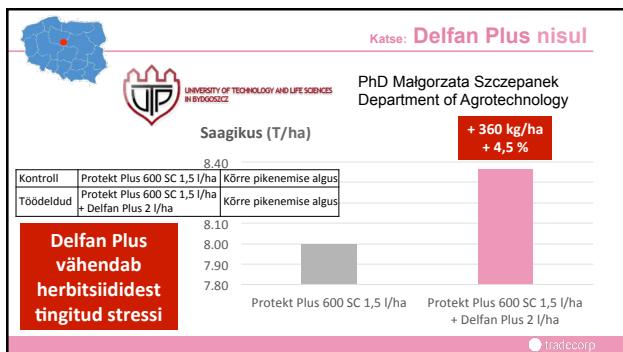
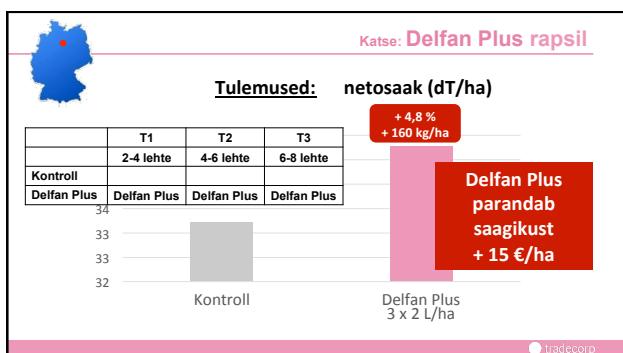
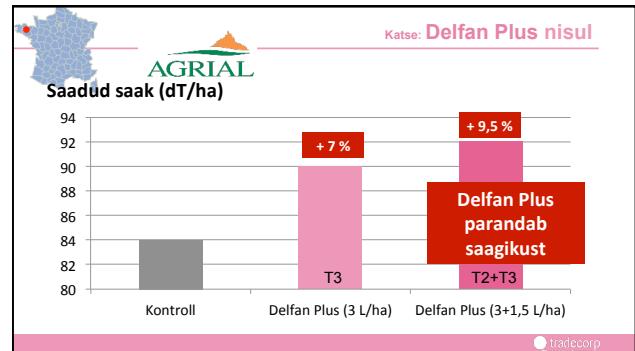
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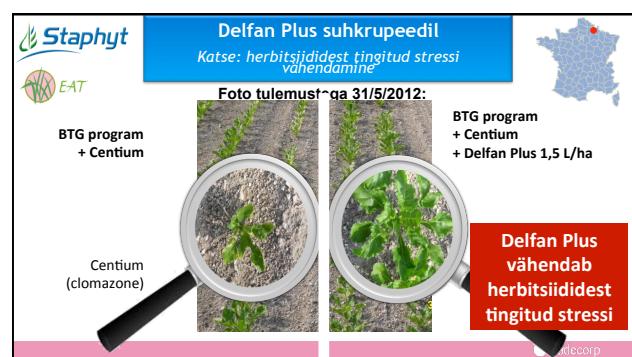
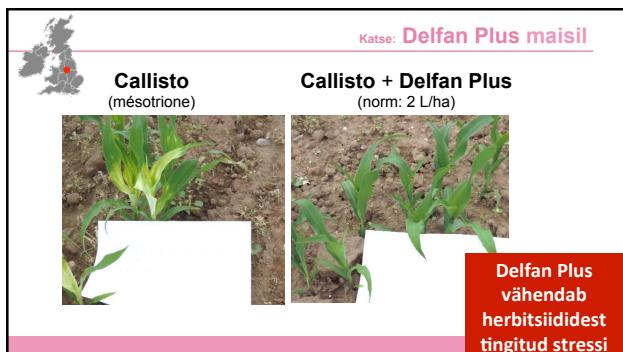
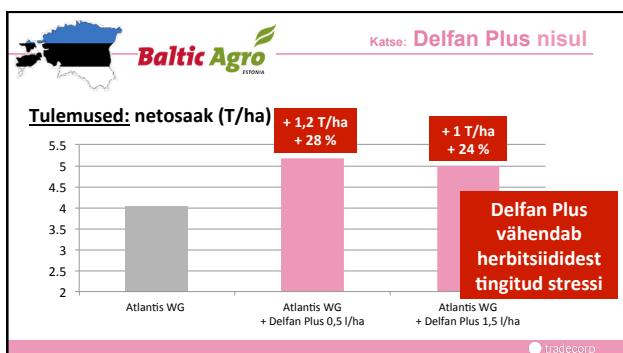
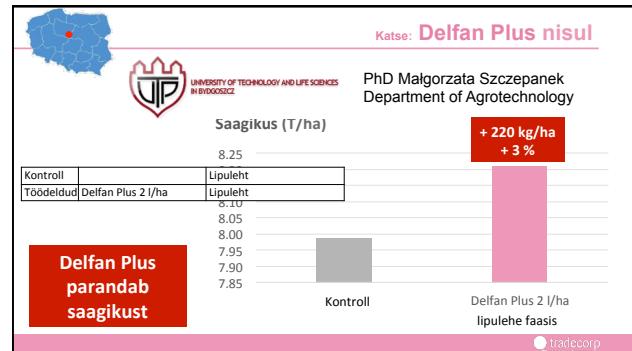
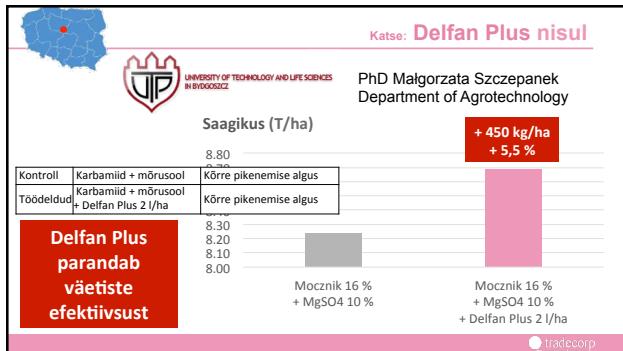
- Ag koordinaator: Laurent Jumeline
- Pöllumajandustootja: GAEC de Brein
- Asukoh: Argentré du Plessis
- Mullastik: liivsavi
- Eekultuur: mais
- Nisu sort Altigo
- Küv: 20. oktoober
- Pölli suurus: 15 Ha
- Demo // ribades (kolm 5 ha suurust katselappi)
- Eesmärk: mõju saagikusele

Tehniline programm (TP) 15 hektaril

- Atlantis
- Moddium + Trafos MgMn 4 L/ha
- T1: Fandango 0,8 L/ha
- T2: Bell 2 L/ha
- T3: Epopée 1,2 L/ha

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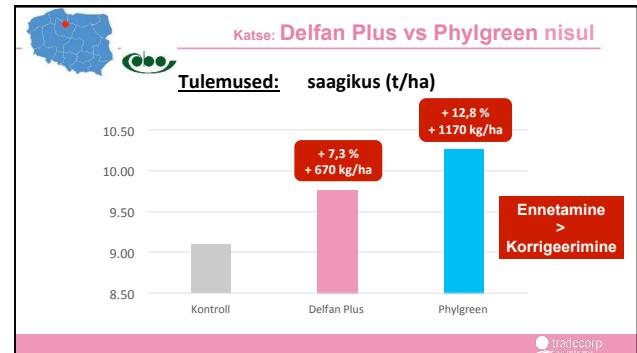
Katse: Delfan Plus vs Phylgreen nisu

Katse kirjeldus

- Katsejaam:
- Asukoht: COBORU Lisewo (Poola)
- Aasta: 2017-2018
- Kultuur: nisu
- Sort: Desamo
- Kordused: 3

| Toode | Norm | Period |
|-------------|--|---|
| Kontroll | | Herbisidiga (18.04.2018) Regulator (20.04.2018) T1 fungitsid (27.04.2018) T2 fungitsid (16.05.2018) T3 fungitsid (07.06.2018) |
| Delfan Plus | 1 L/ha 2 L/ha 2 L/ha 2 L/ha 2 L/ha | Herbisidiga (18.04.2018) Regulator-iqs (20.04.2018) Koot T1 (27.04.2018) Koot T2 (16.05.2018) Koot T3 (07.06.2018) |
| Phylgreen | 1 L/ha 2 L/ha 2 L/ha 2 L/ha 2 L/ha | Herbisidiga (18.04.2018) Regulator-iqs (20.04.2018) Koot T1 (27.04.2018) Koot T2 (16.05.2018) Koot T3 (07.06.2018) |

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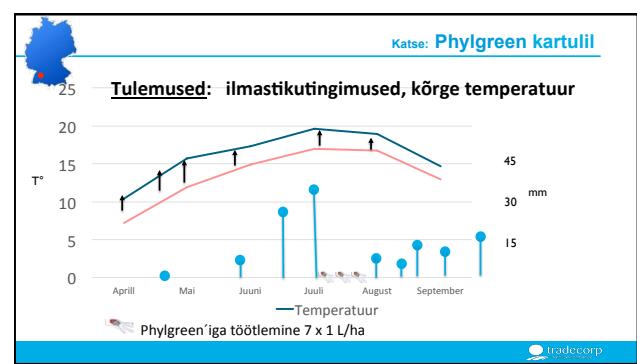
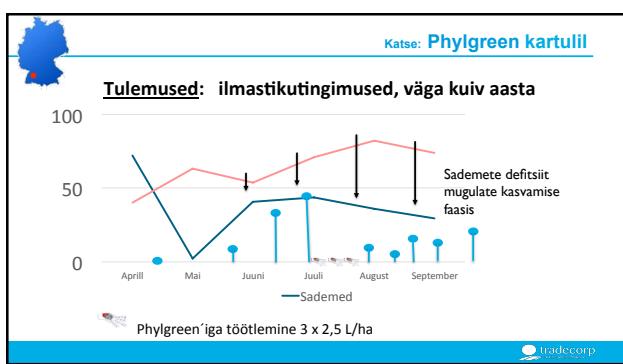
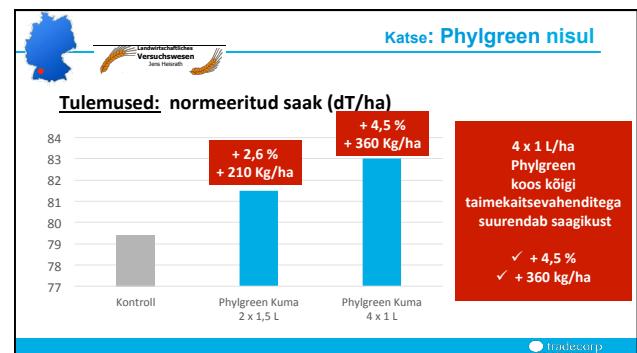
Katse: Phylgreen nisu

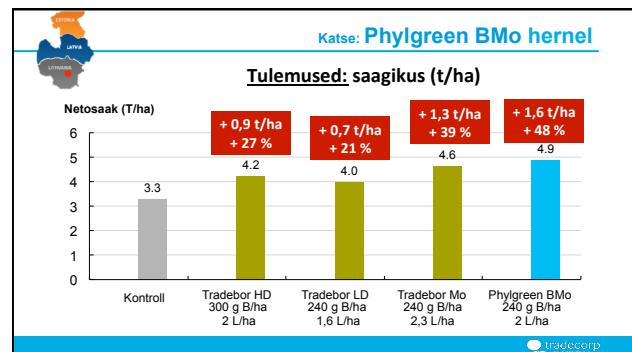
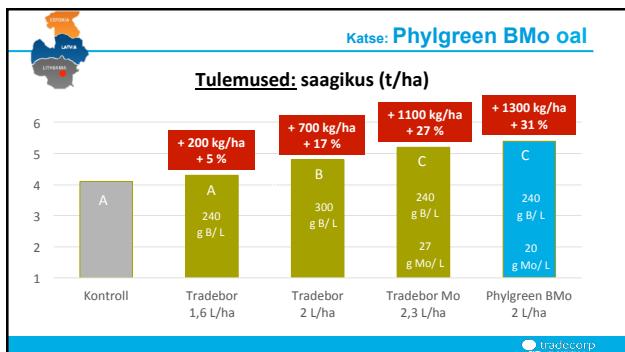
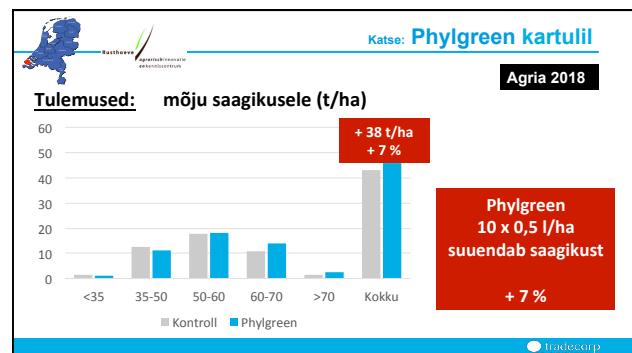
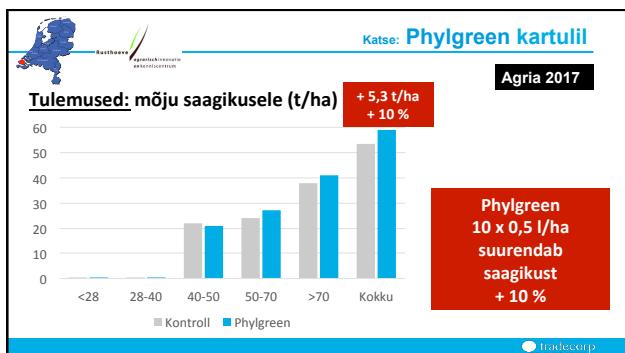
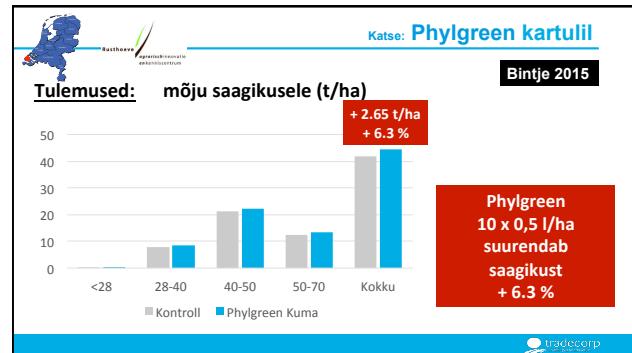
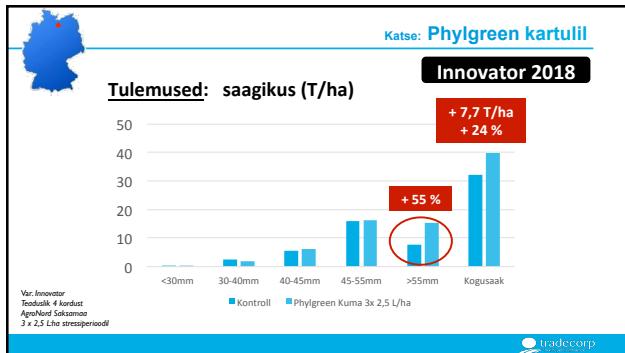
Protokoll

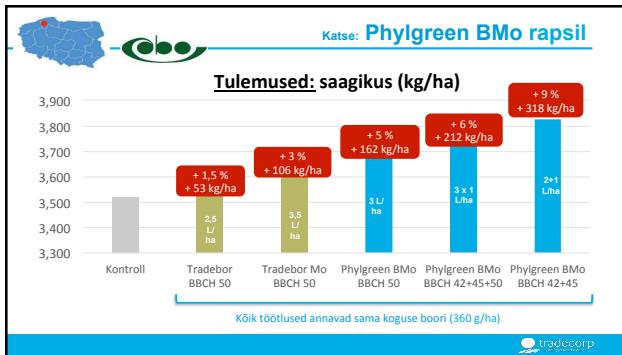
| Küüpsev | Kontroll | Phylgreen (2 x 1,5 L/ha) Koos 2 fungitsidiga | Phylgreen (4 x 1 L/ha) Köigi taimekaitse-vahenditega | Kasvufaas |
|------------|---|--|--|---|
| 11/04/2016 | Atlantis WG (0,5) + FHS (1,0) | Atlantis WG (0,5) + Atlantis FHS (1,0) | Atlantis WG (0,5) + Atlantis FHS (1,0) + Phylgreen 1 L/ha | Kevadel vegetatsiooni algus |
| 20/04/2016 | CCC (0,8) | CCC (0,8) | CCC (0,8) + Phylgreen 1 L/ha | BBCH 29 Vormutuse lopp |
| 28/04/2016 | Medax Top (0,5) + Turbo (0,5) + Input Classic (1,0) | Medax Top (0,5) + Turbo (0,5) + Input Classic (1,0) + Phylgreen 1,5 L/ha | Medax Top (0,5) + Turbo (0,5) + Input Classic (1,0) + Phylgreen 1 L/ha | BBCH 32 Teemaks on esimesest vähemalt 2 cm kõrgemal |
| 09/06/2016 | Ceriax (2,5) + Bravo (1,0) | Ceriax (2,5) + Bravo (1,0) + Phylgreen 1,5 L/ha | Ceriax (2,5) + Bravo (1,0) + Phylgreen 1 L/ha | BBCH 49 Esimesed õhted on nähtavad |

Atlantis WG: mesosulfuron-methyl + iodosulfuron-methyl-sodium; FHS: adjunkt; CCC: chloromequat; Medax Top: mepiquat-chloride + prohexadione-calcium; Turbo: Input Classic: prathiocanazol + spiroxamine; Ceriax: fluxapyroxad + pyraclostrobin + épicoxiconazole; Bravo: Chorothalonil

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Mullaanalüüs

Suviniisu (Licamero C1)
Enne seemnete külvenemist planeerimine anda NPK 4-10-2 C/N suhe 8
Lubjakivi graanuid viaskesse mulla.

| Kultuur | Org.C % | P (fostor) mg/kg | K (kaalium) mg/kg | pH |
|-----------|---------|------------------|-------------------|-------|
| Suviniisu | 2,7 | 24,5 | 161,5 | 6 |
| | | 45-90 | 130-250 | 6,5-7 |

MO = 4,7%

Oodatav saak: 2,5 T/ha

| Wheat (Spring & Winter) | N | P | K | C/N total plant nutrient ratio | C/N total plant nutrient ratio (%) | Mg total plant nutrient ratio | Mg total plant nutrient ratio (%) | Ca total plant nutrient ratio | Ca total plant nutrient ratio (%) | Zn total plant nutrient ratio | Zn total plant nutrient ratio (%) | B total plant nutrient ratio | B total plant nutrient ratio (%) |
|-------------------------|----|-----|-----|--------------------------------|------------------------------------|-------------------------------|-----------------------------------|-------------------------------|-----------------------------------|-------------------------------|-----------------------------------|------------------------------|----------------------------------|
| Grain only | 23 | 4 | 5,7 | 4,4 | 3 | 3 | 10 | 79 | 5,2 | 210 | 1,7 | | |
| Grain plus straw | 28 | 5,2 | 18 | | | | | | | | | | |

PEFI: Potash and Phosphate Institute

Vajadus: 70 kg N 13 kg P 45 kg K₂O C/N kiire N vabanemine

7 : 1 : 4
4 : 10 : 2 175 kg 4-10-2 70-17,5-35 → 200 kg 4-10-2 80-20-40

Faktid

Product description

- Organic NPK fertilizer; NPK 4-10-2
- Produced from organic and vegetal raw materials
- 100% natural, no chemical or other additives
- Highly available for the plant
- Free from pathogens and weed seeds
- Low environmental impact
- Produced in conformity with 1069/2009/EEC
- Allowable to be used for ecological growing (EU 854/2007, 889/2008)

Limestone granules
EC FERTILISER, LIMING MATERIAL
Type G1 Natural limestone / 1b : Limestone - fine quality

Declared values

| | |
|---------------------|--------------|
| Neutralizing value | 53 +/- 3 [%] |
| Total calcium (CaO) | 50 +/- 3 [%] |
| Chemical reactivity | min. 99 [%] |

Analysis

| | | | | | | | |
|--------------------|-----|-----|------|-----|-----|-----|--------|
| % on total product | Si | Al | Ca | Mg | Na | Cl | Others |
| % on total product | 0,0 | 0,0 | 10,0 | 0,0 | 0,0 | 0,0 | 89,0 |

Main elements

| | | | | | | | |
|------------------|----|-----|-----|-----|-----|-----|--------|
| mg/kg dry matter | Ca | Si | Al | Mg | Na | Cl | Others |
| mg/kg dry matter | 25 | 2,1 | 0,1 | 0,5 | 0,0 | 0,0 | 89,0 |

Trace elements

| | | | | | | | | | | | | | |
|------------------|------|------|------|------|-------|------|------|------|------|------|------|------|------|
| mg/kg dry matter | As | Br | Ca | Co | Cr | Fe | Li | Na | Se | Sn | Te | Zn | Mo |
| mg/kg dry matter | <0,1 | <0,1 | <0,1 | <0,1 | <0,05 | <0,1 | <0,1 | <0,1 | <0,1 | <0,1 | <0,1 | <0,1 | <0,1 |

Heavy metals

| | | | | | | | | | | | | | |
|------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| mg/kg dry matter | Ag | As | Ca | Cd | Co | Cr | Fe | Hg | Li | Na | Se | Sn | Zn |
| mg/kg dry matter | <0,1 | <0,1 | <0,1 | <0,1 | <0,1 | <0,1 | <0,1 | <0,1 | <0,1 | <0,1 | <0,1 | <0,1 | <0,1 |

Other characteristics

| | | | | | | | |
|------------------------|---------------------------|------------------------------|---------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| SiO ₂ (Si) | 0,9 (Si on total product) | 0,0001 (Si on total product) | 2,9 (Si on total product) | 0,0001 (Si on total product) |
| CaCO ₃ (Ca) | 50 | 0,0001 | 50 | 0,0001 | 50 | 0,0001 | 50 |

Physical data

| | |
|--------------|--------|
| Diameter | 4-5 mm |
| Granule size | 4-5 mm |

Pellets
4-5 mm
650-750 kg/ton

