

PEOPLE // PROCESS // PRODUCTS



**Roses trials
Ecuador**

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Roses

Varieties:

- Freedom
- Vendela
- Orange Crunch
- Talea
- Sazu
- Angels



PERLKA rates: 30 to 70 g/m²

Control: traditional fertilisation program



Roses

Application technique



Assessments

- Stem length (cm)
- Head size (cm)
- Head weight (g)
- Number of petals
- Shelf life in vase (days)



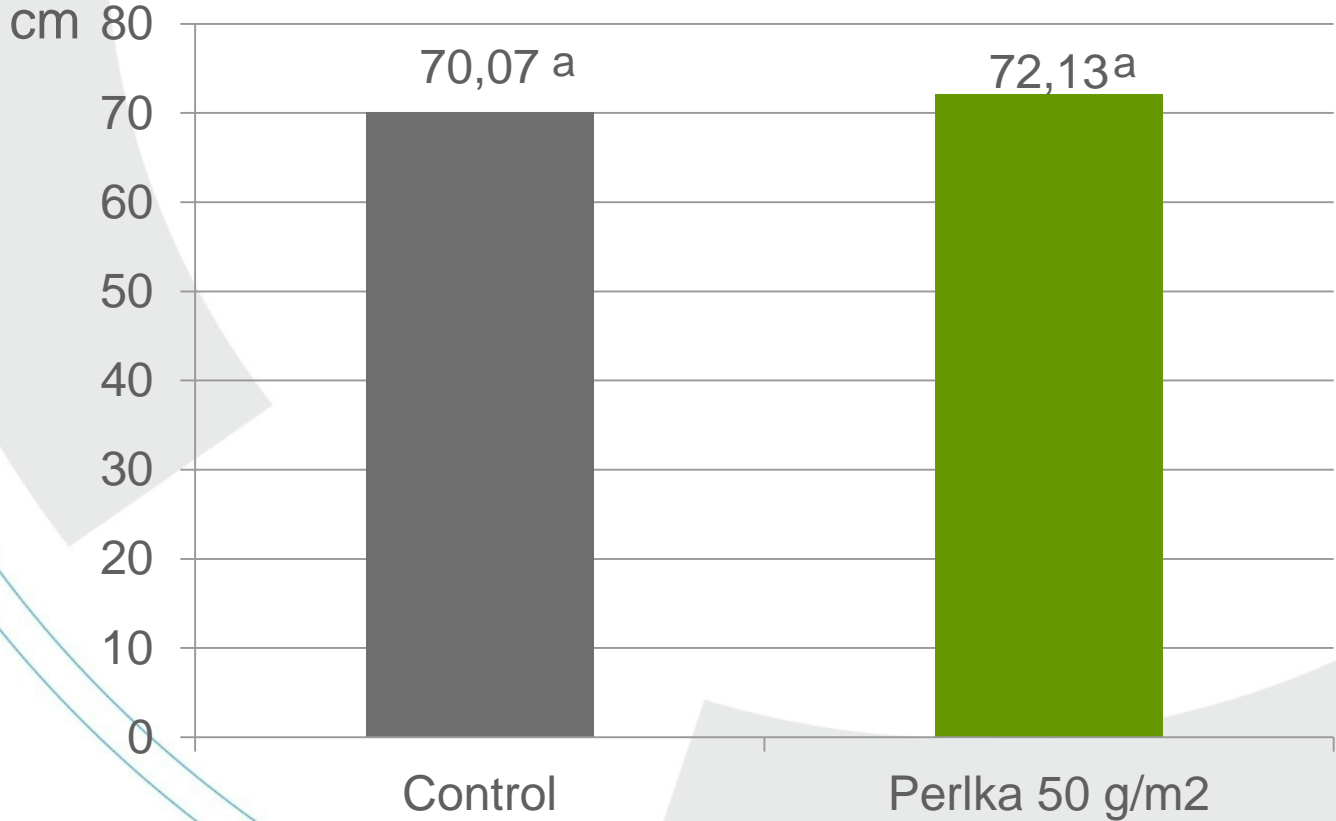
➤ **Data collection 35-90 days after PERLKA application**

Roses

Stem length (cm)

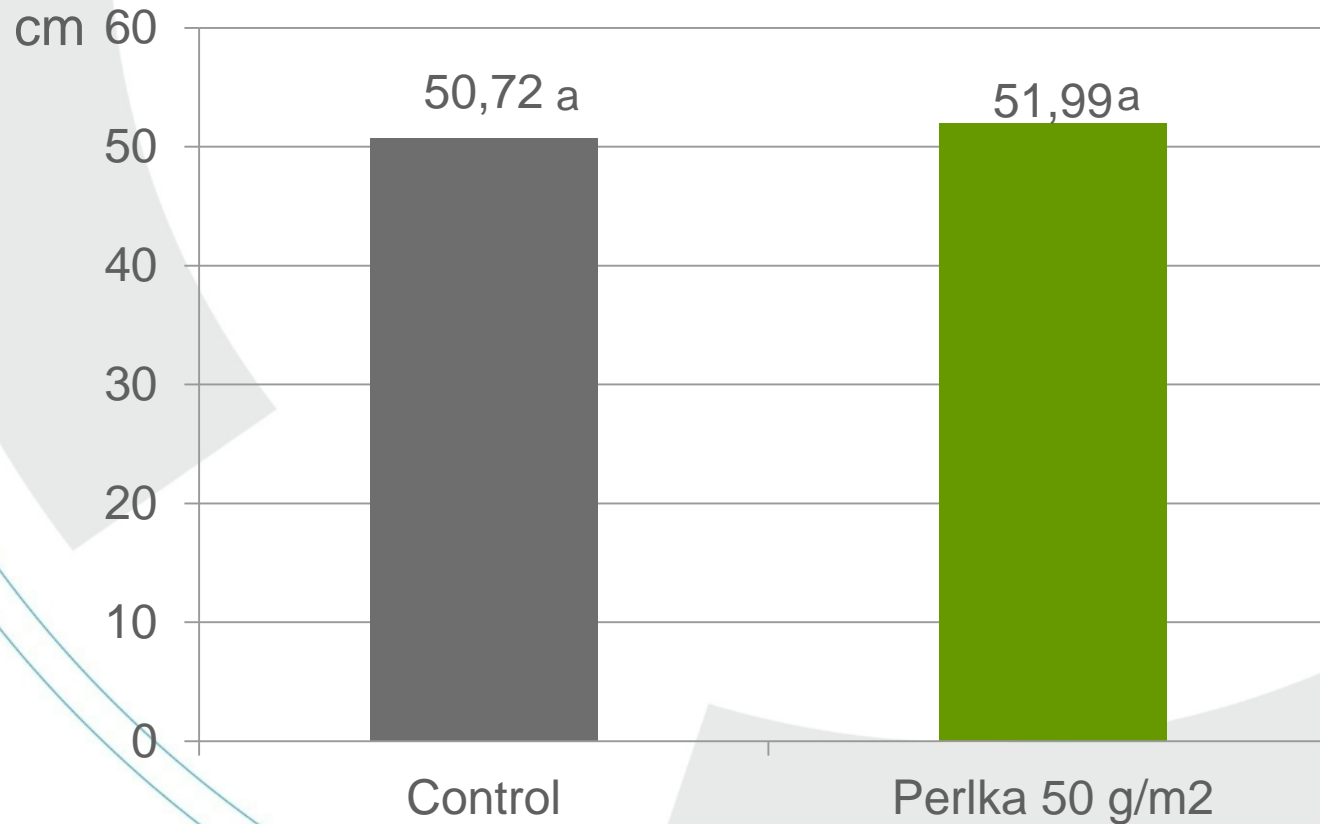


Stem length cv Vendela 35 days after PERLKA fertilisation



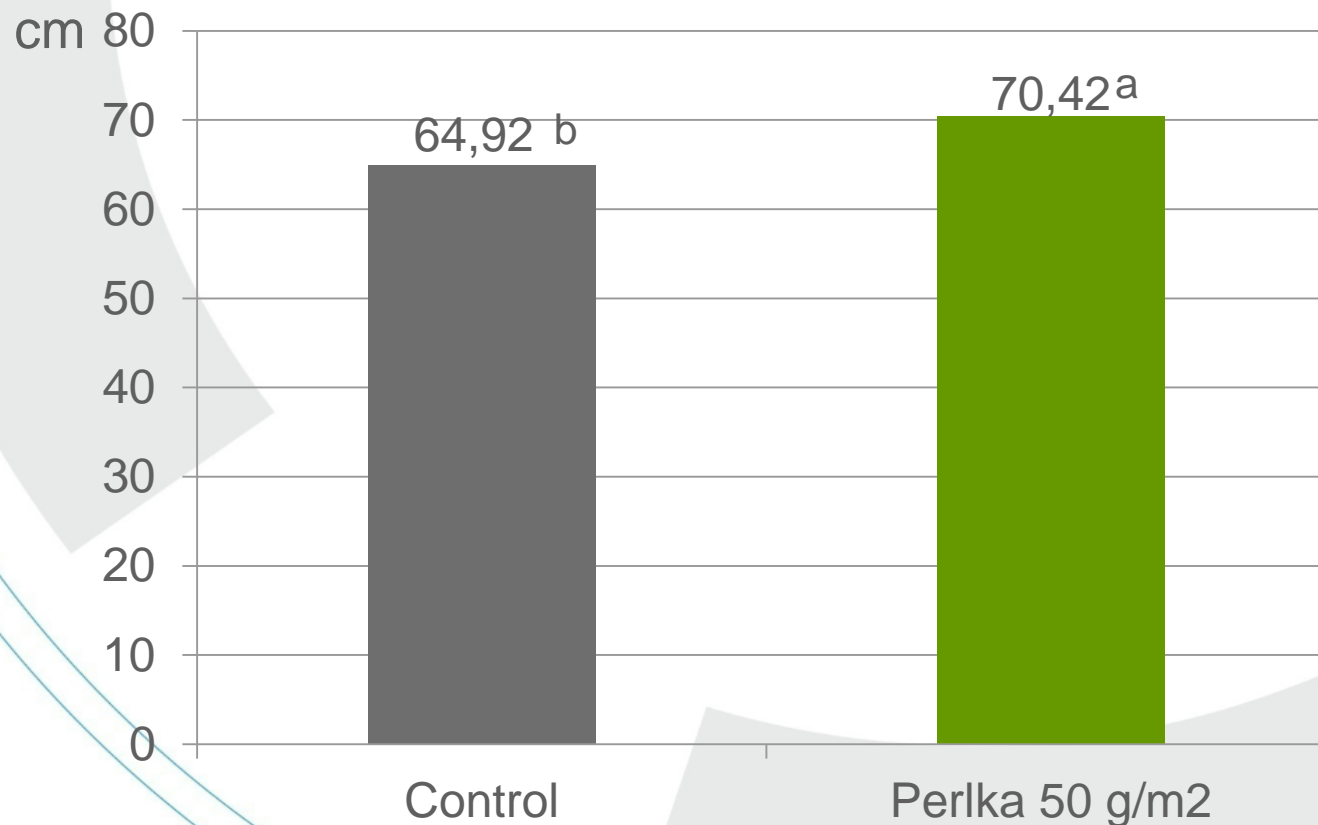
Trial Ceres Farms I. El Huerto, Ecuador, 2014

Stem length cv Vendela 85 days after PERLKA fertilisation



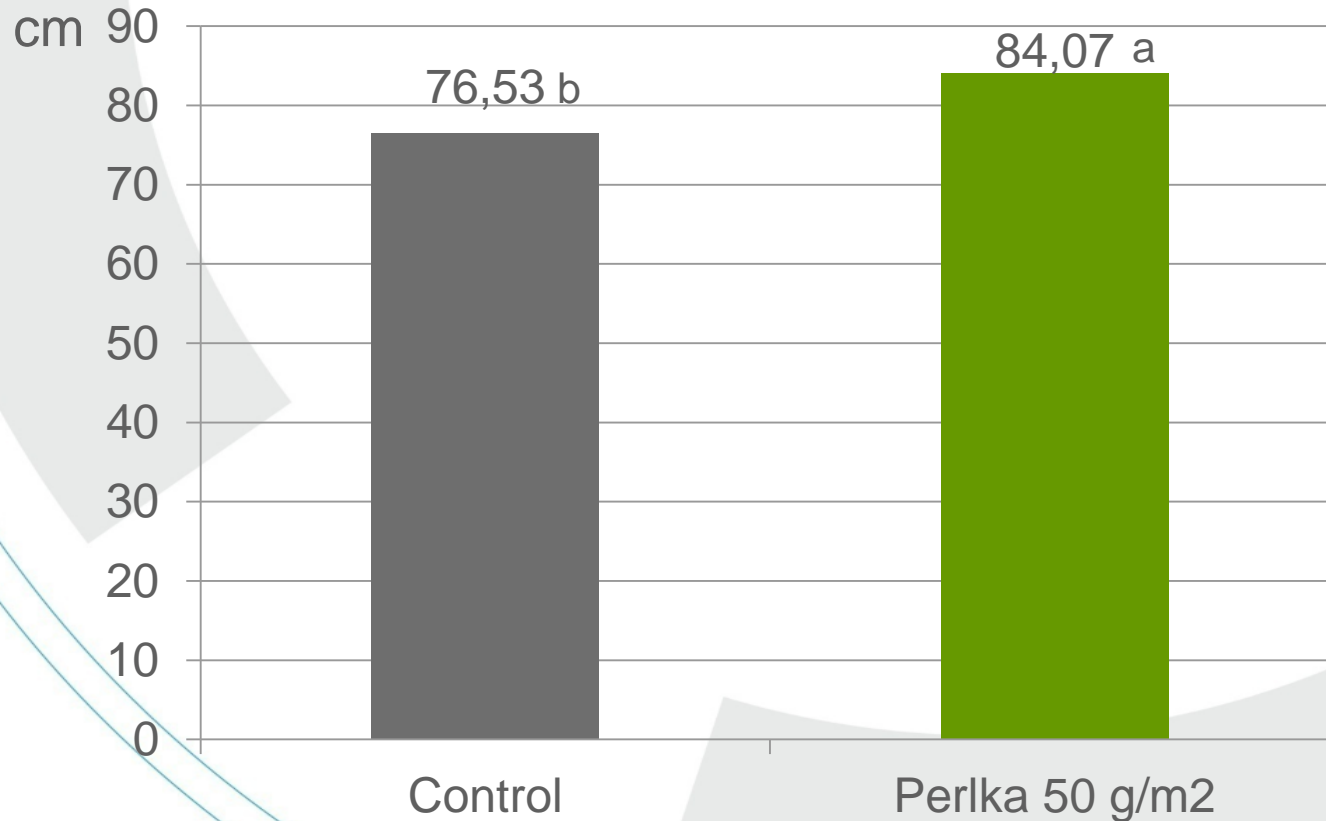
Trial Ceres Farms II. El Huerto, Ecuador, 2014

Stem length cv Vendela 35 days after PERLKA fertilisation



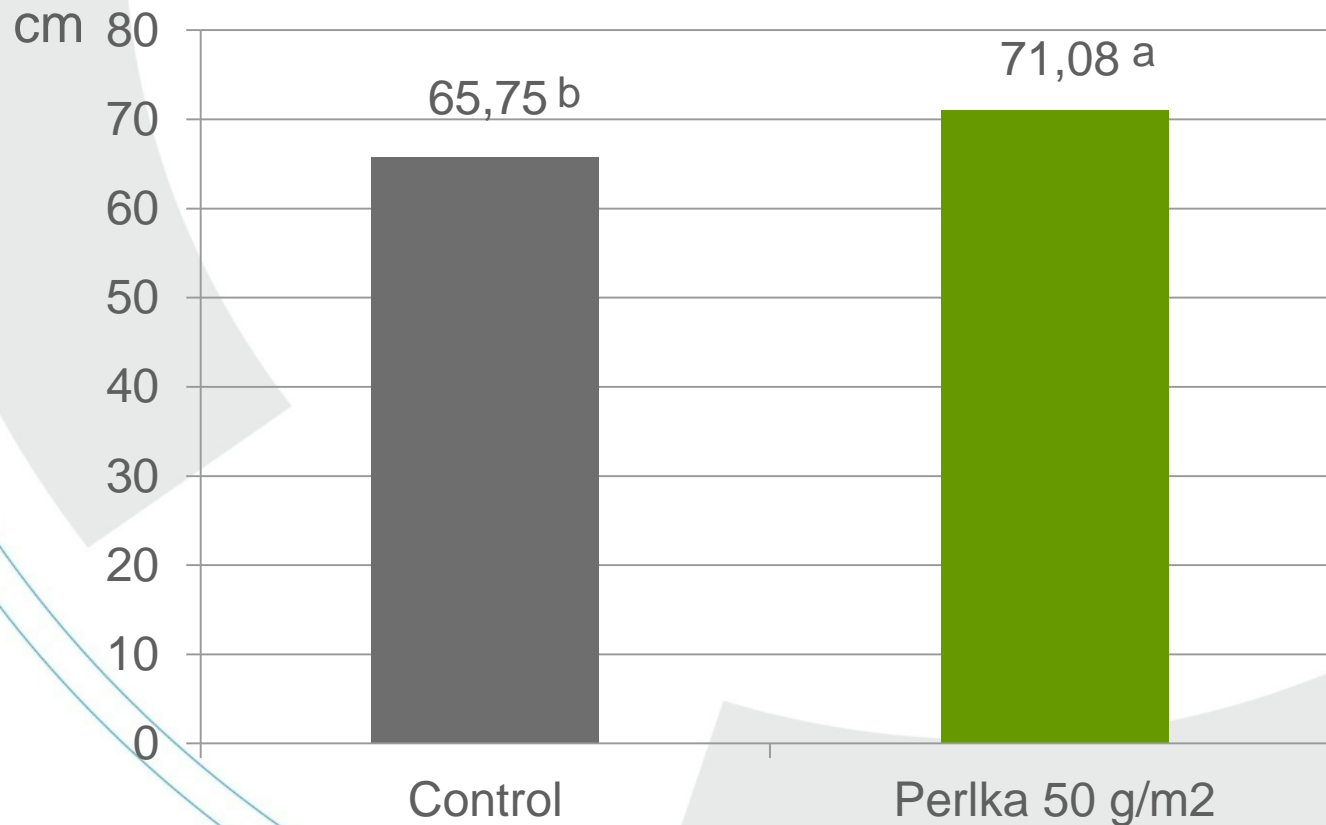
Trial Ceres Farms III. El Huerto, Ecuador, 2014

Stem length cv Freedom 35 days after PERLKA fertilisation



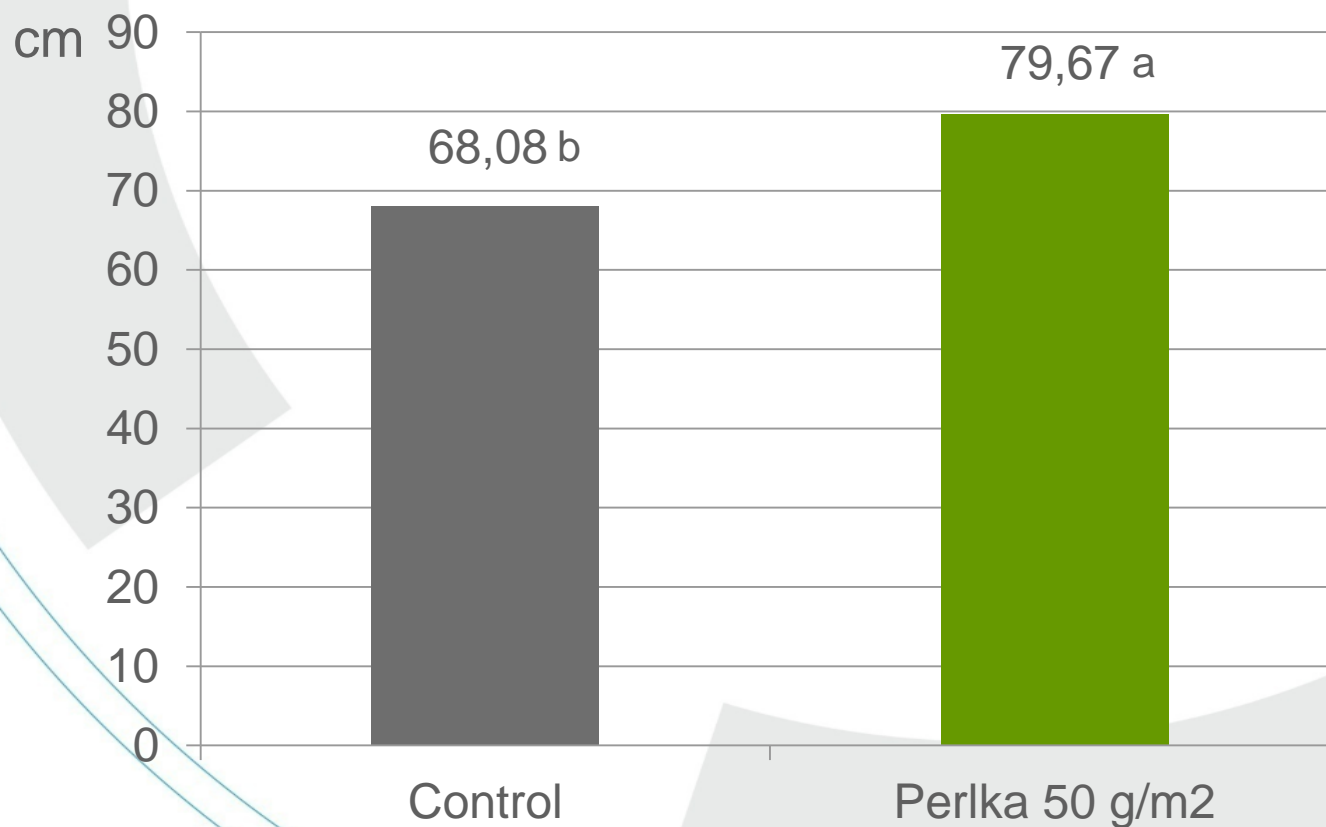
Trial Ceres Farms I. El Huerto, Ecuador, 2014

Stem length cv Freedom 85 days after PERLKA fertilisation



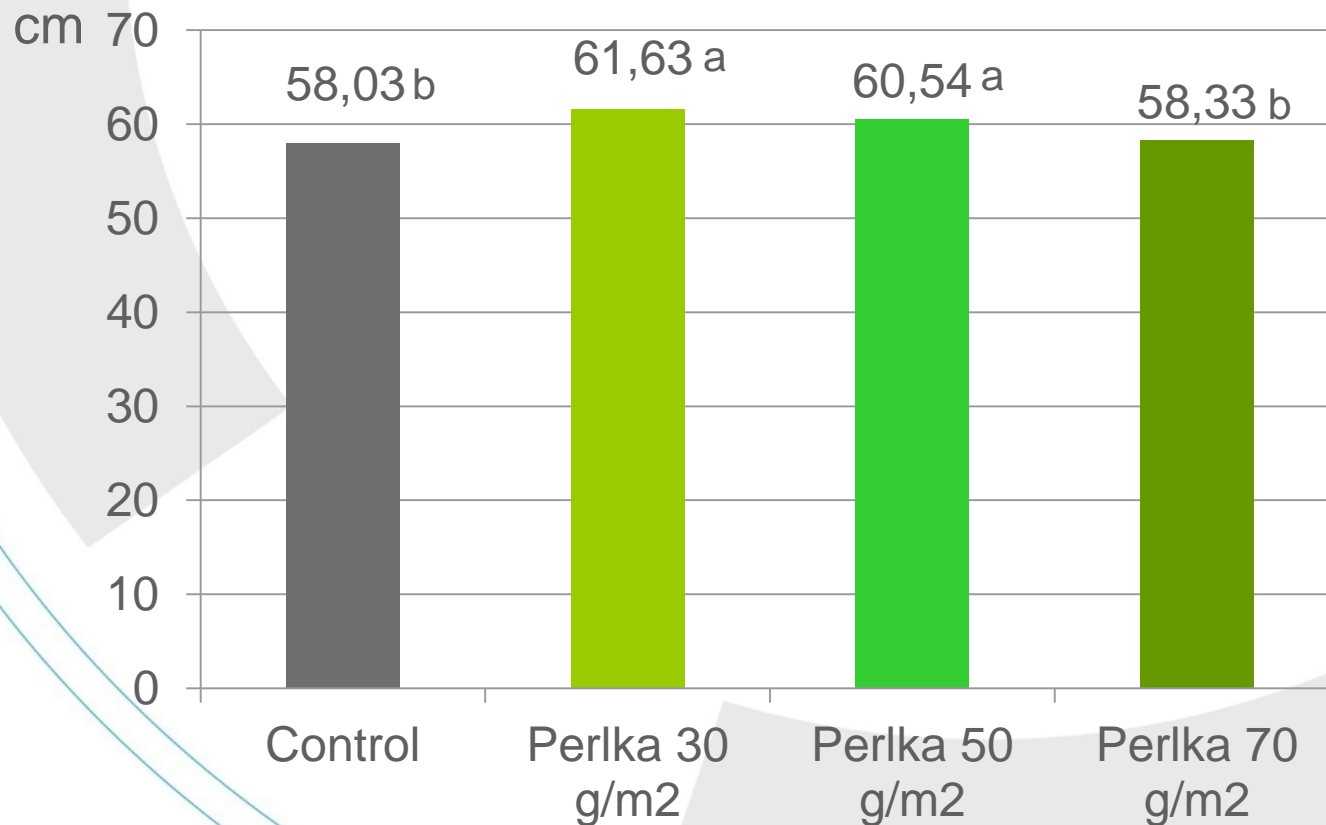
Trial Ceres Farms II. El Huerto, Ecuador, 2014

Stem length cv Freedom 35 days after PERLKA fertilisation



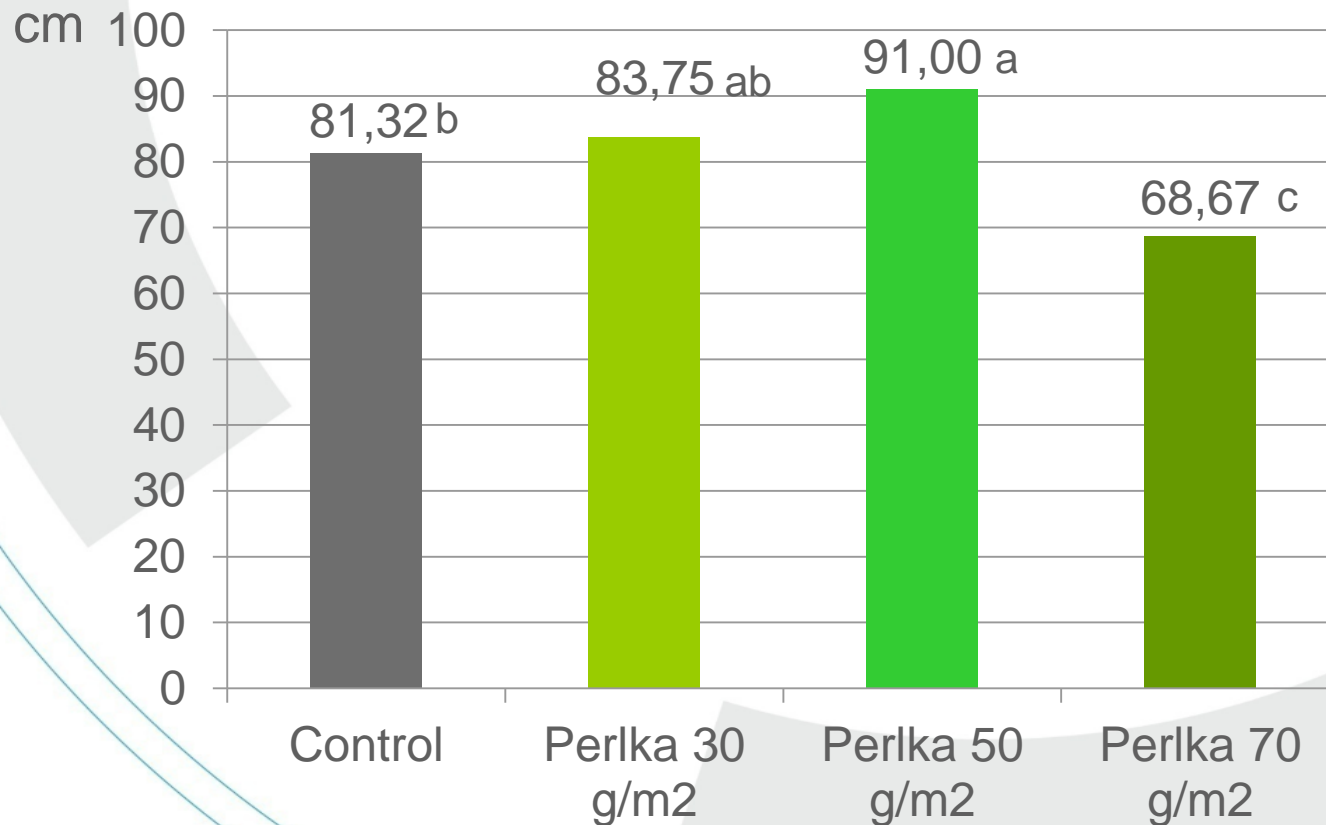
Trial Ceres Farms III. El Huerto, Ecuador, 2014

Stem length cv Freedom 90 days after PERLKA fertilisation



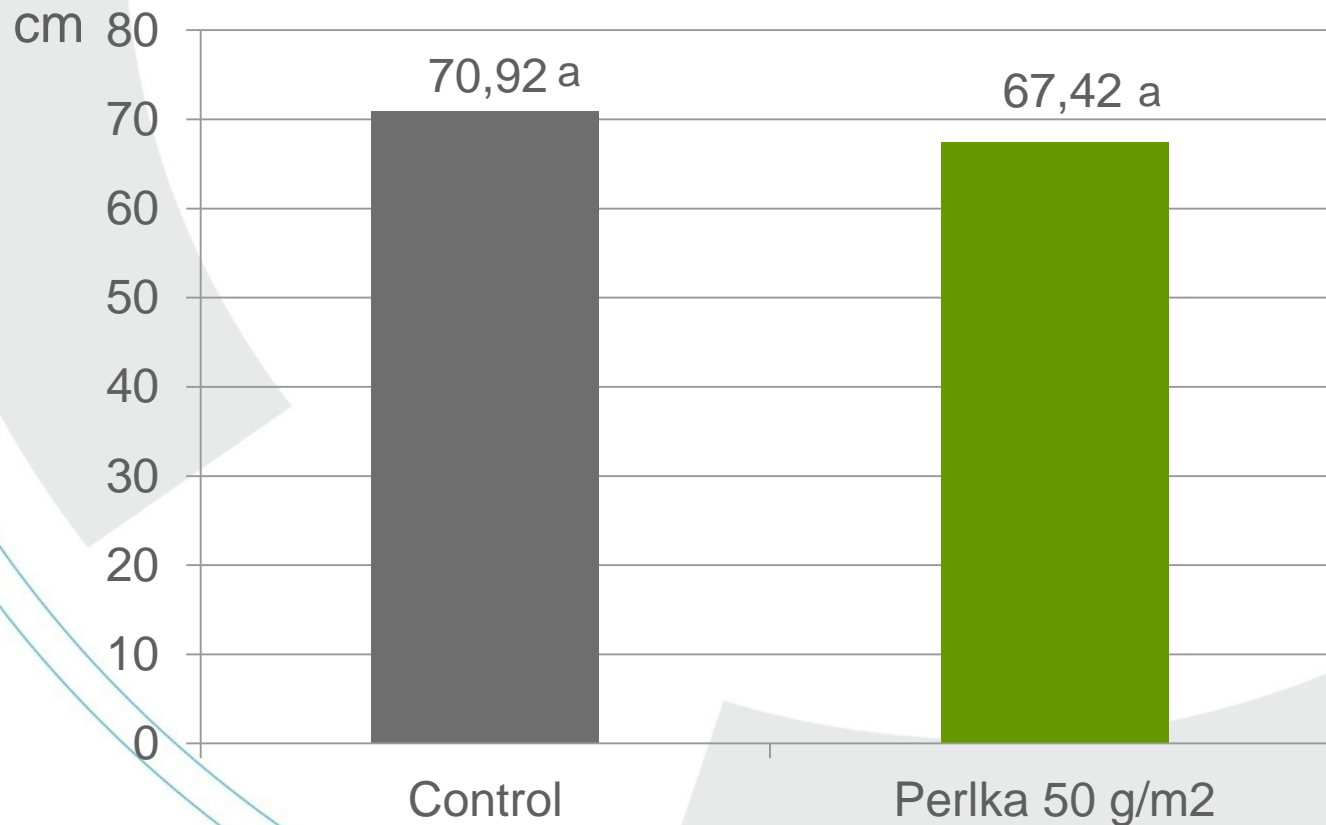
Trial Naranjo Roses. El Huerto, Ecuador, 2014

Stem length cv Freedom 90 days after PERLKA fertilisation



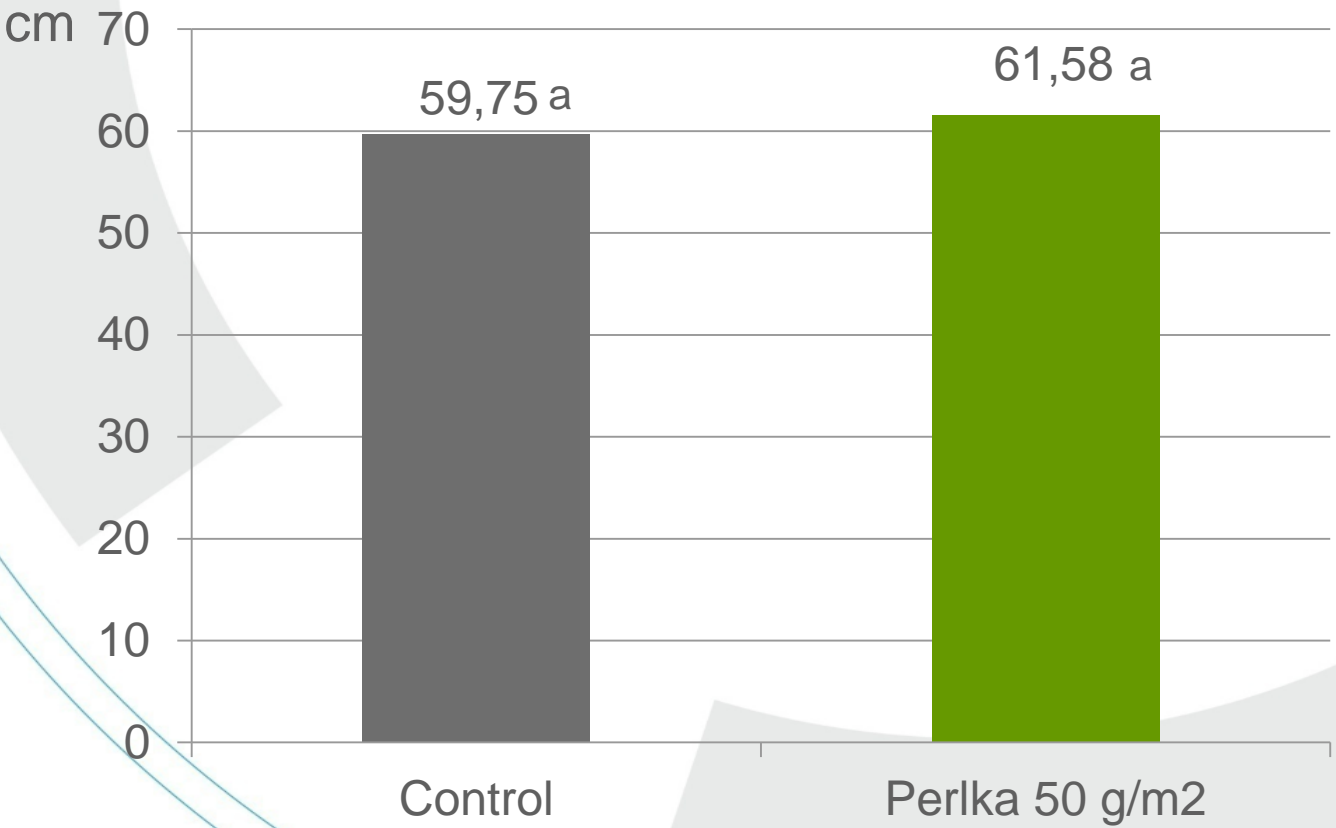
Trial Tessa Roses. El Huerto, Ecuador, 2014

Stem length cv Orange Crunch 35 days after PERLKA fertilisation



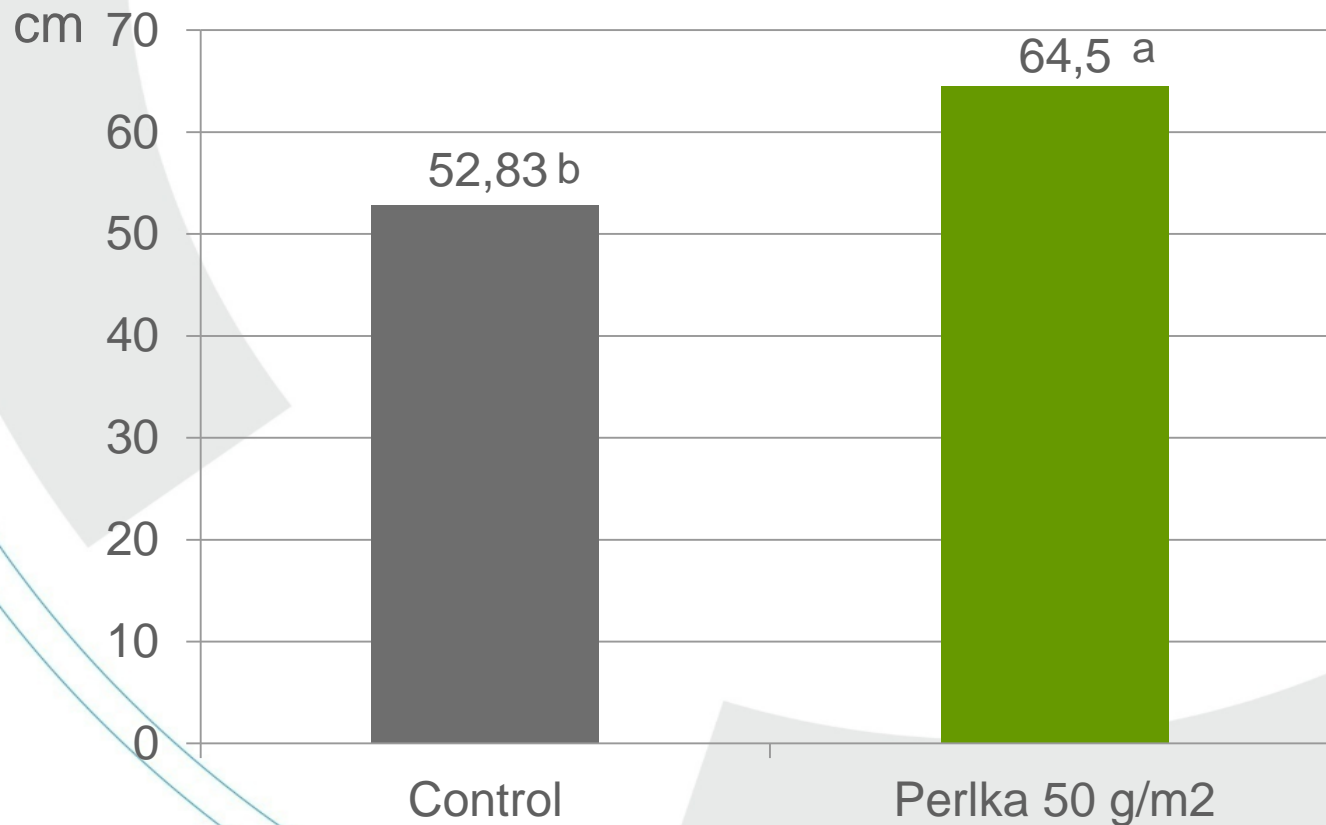
Trial Ceres Farms I. El Huerto, Ecuador, 2014

Stem length cv Talea 35 days after PERLKA fertilisation



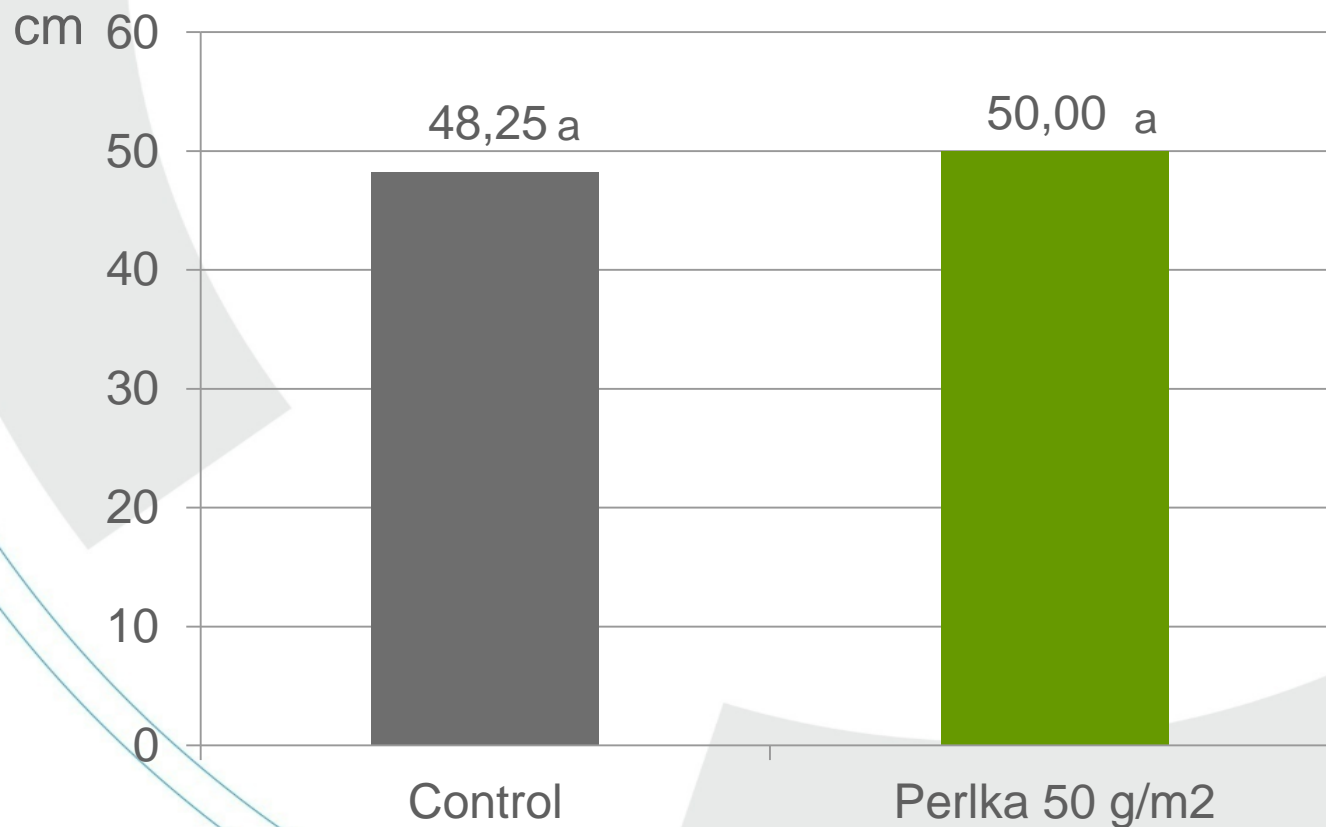
Trial Ceres Farms I. El Huerto, Ecuador, 2014

Stem length cv Sazu 85 days after PERLKA fertilisation



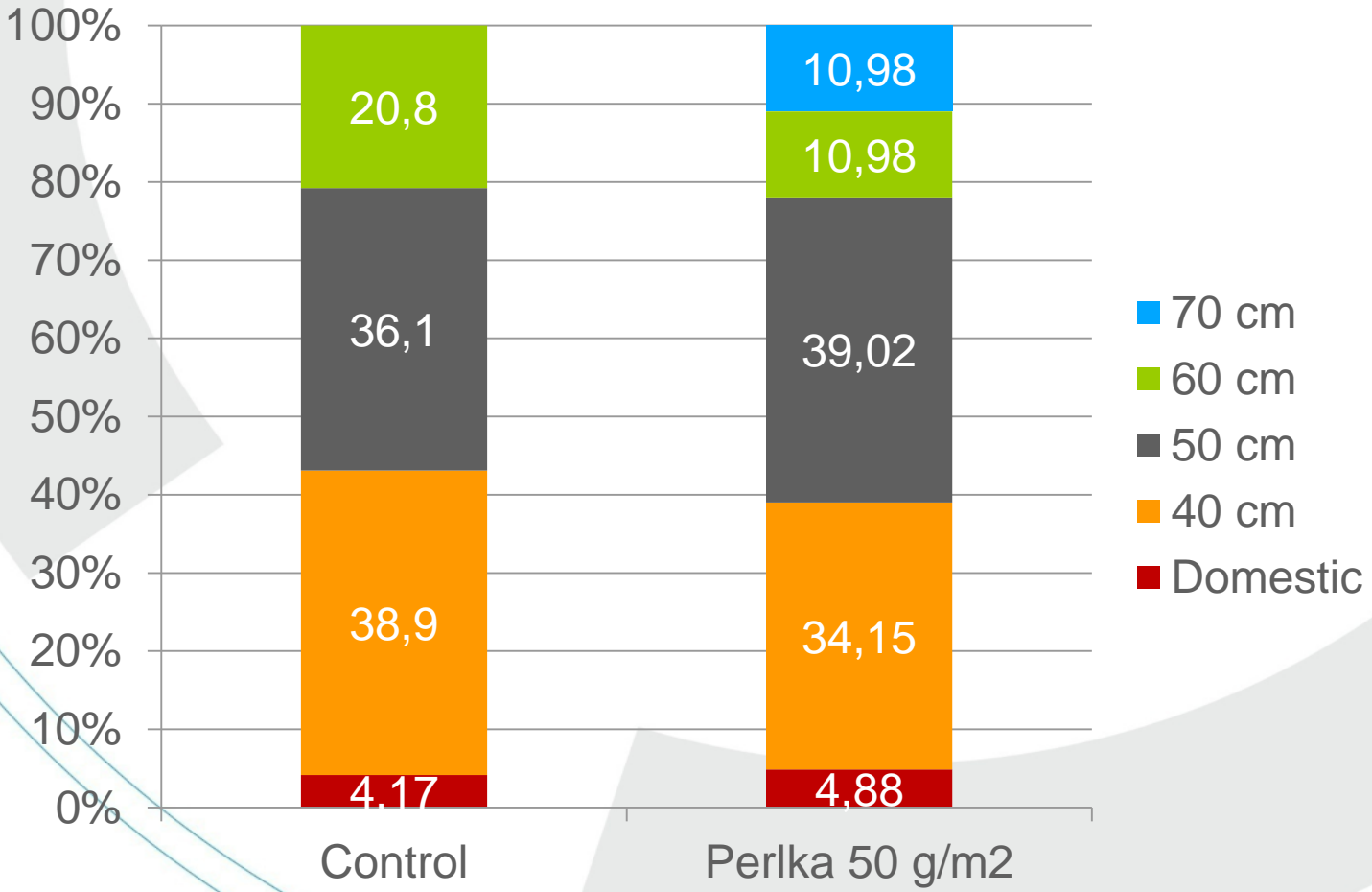
Trial Ceres Farms II. El Huerto, Ecuador, 2014

Stem length cv Sazu 35 days after PERLKA fertilisation



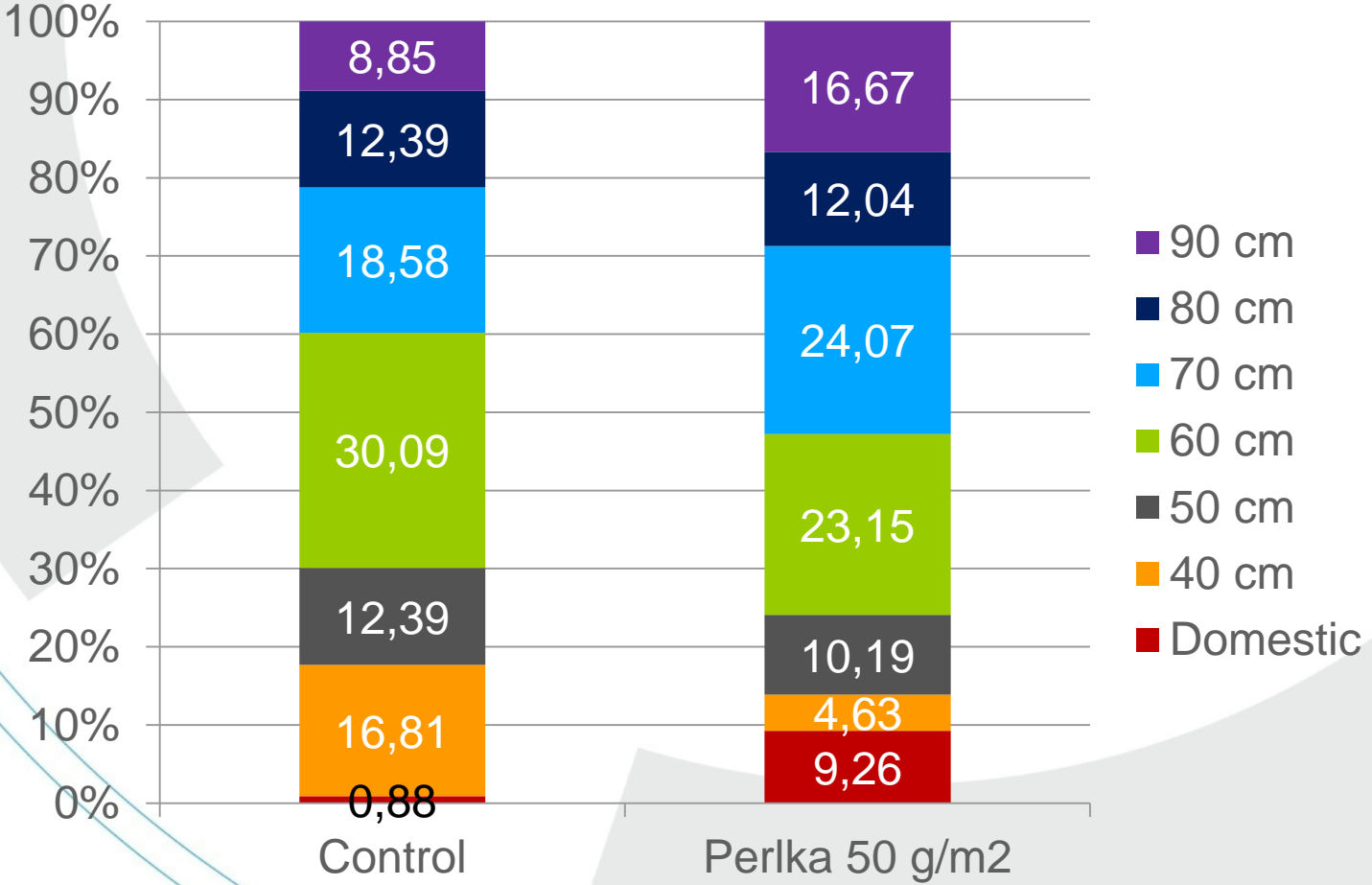
Trial Ceres Farms III. El Huerto, Ecuador, 2014

Quality grades cv Vendela 85 days after PERLKA fertilisation



Roses

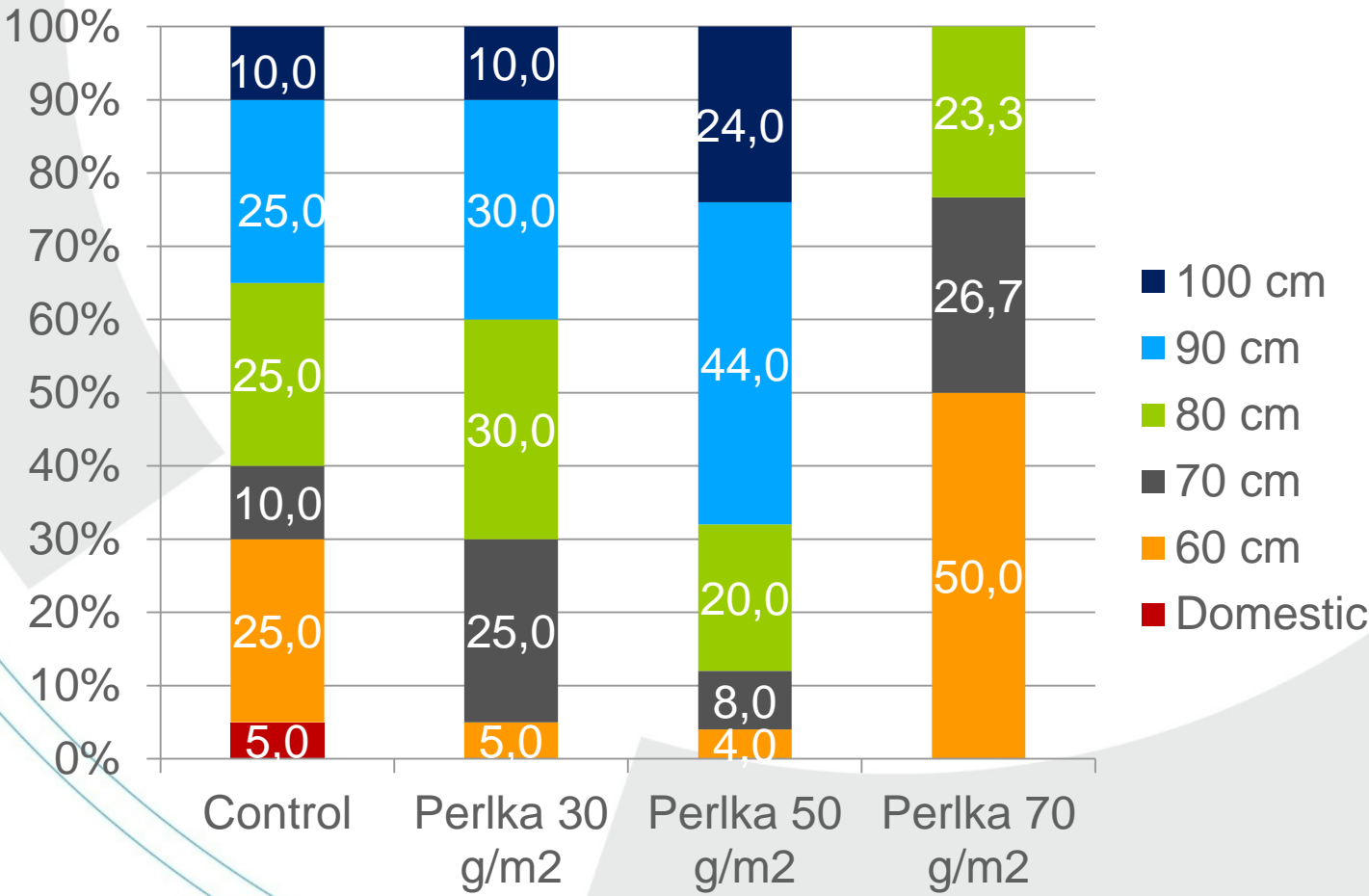
Quality grades cv Freedom 85 days after PERLKA fertilisation



Trial Ceres Farms II. El Huerto, Ecuador, 2014

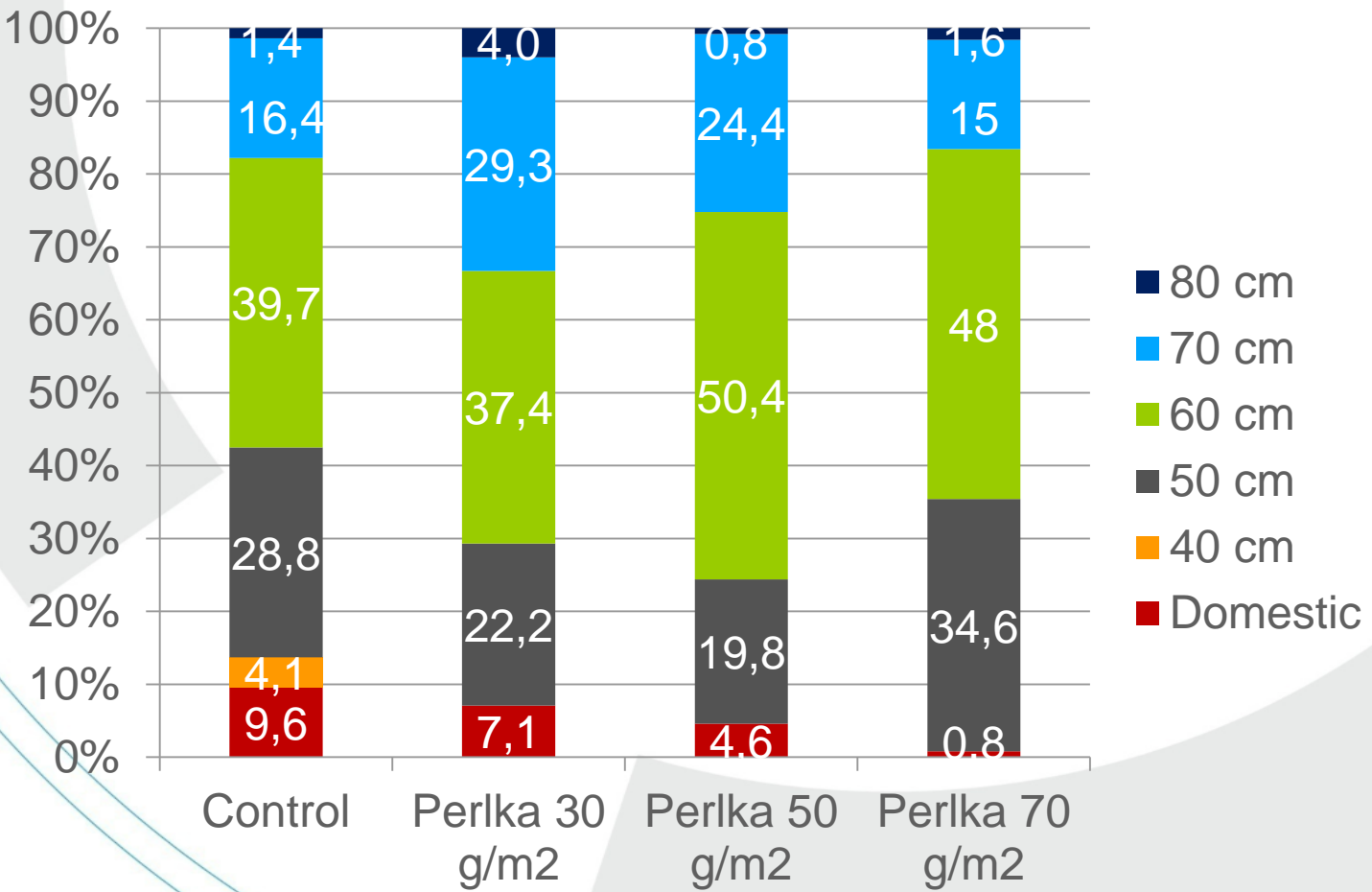
Roses

Quality grades cv Freedom 90 days after PERLKA fertilisation



Roses

Quality grades cv Freedom 90 days after PERLKA fertilisation

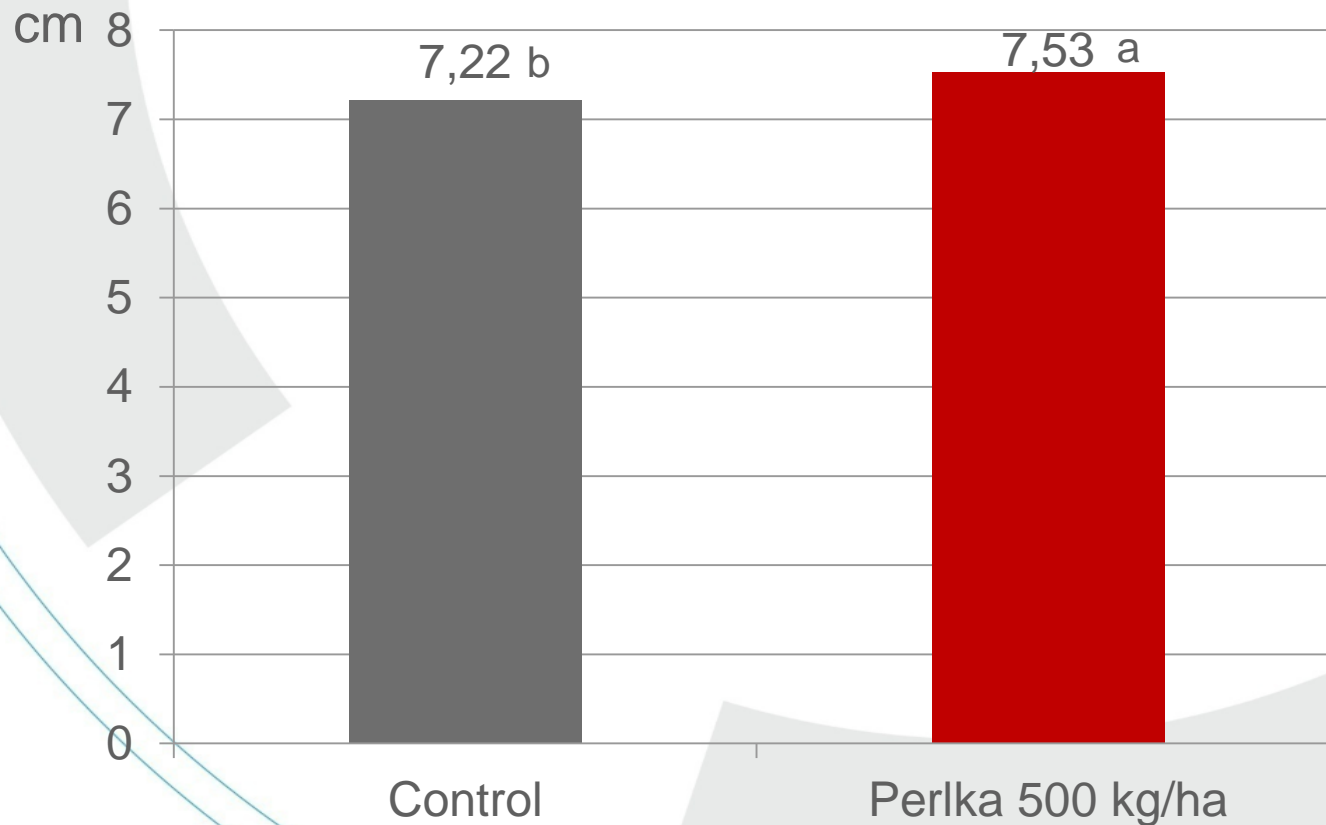


Roses

Head size (cm)

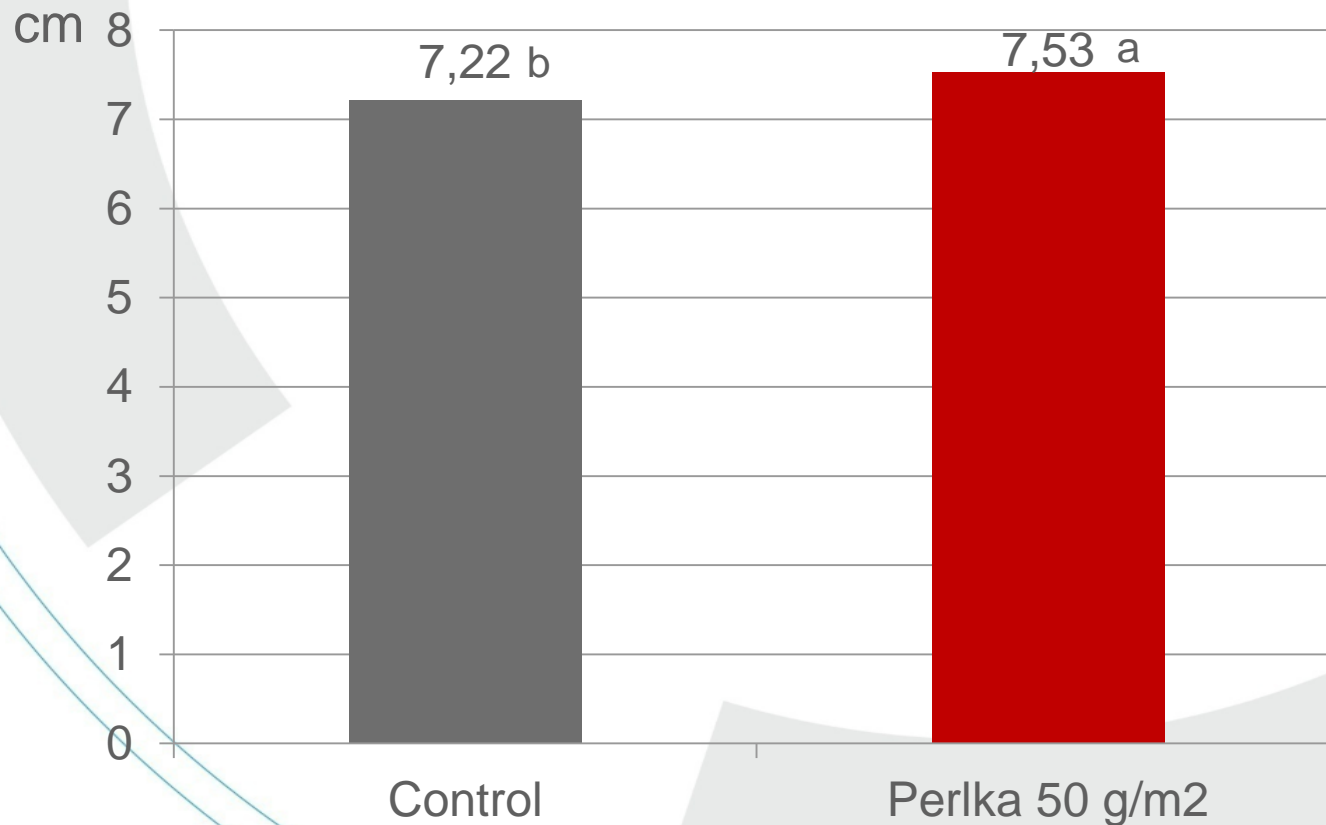


Head size cv Angels



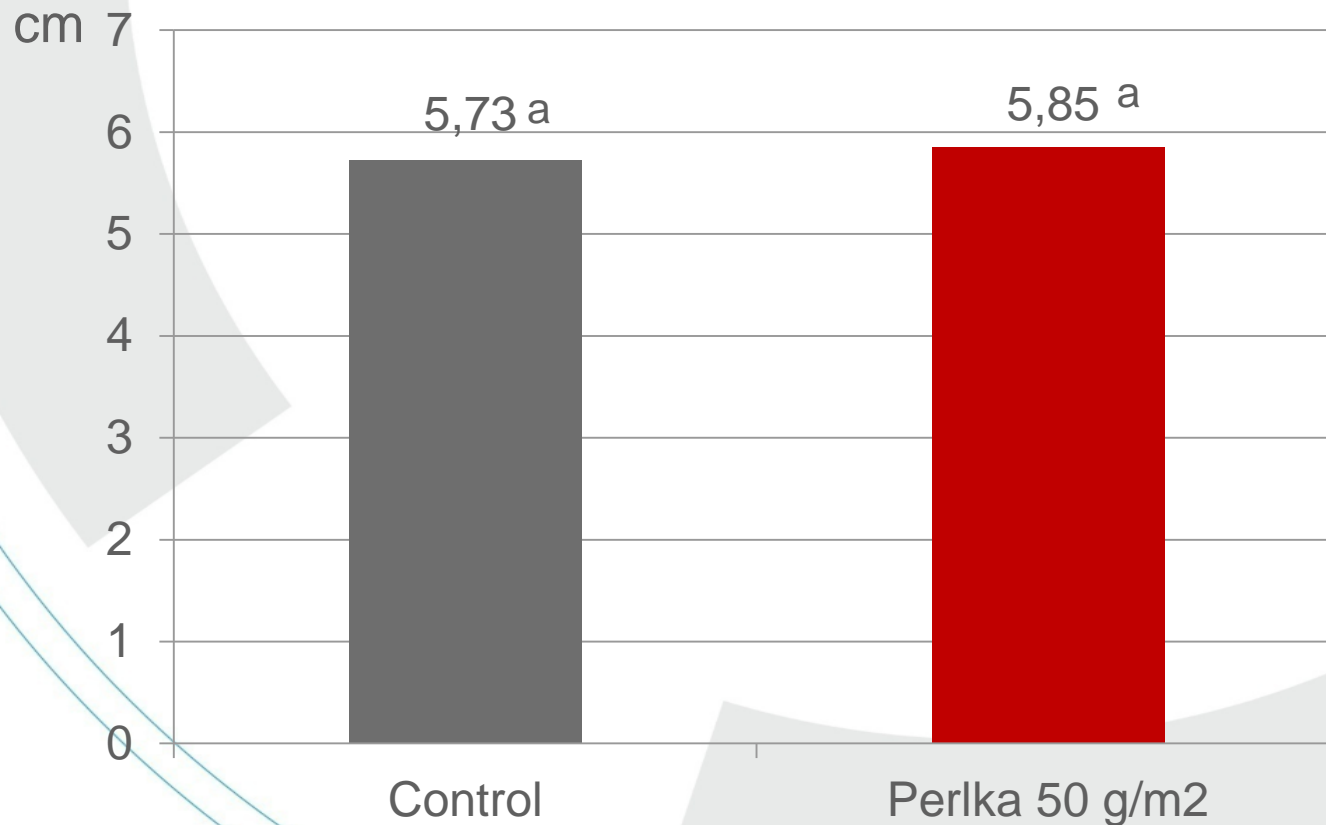
Trial Alkavat. El Huerto, Ecuador, 2014

Head size cv Vendela 35 days after PERLKA fertilisation



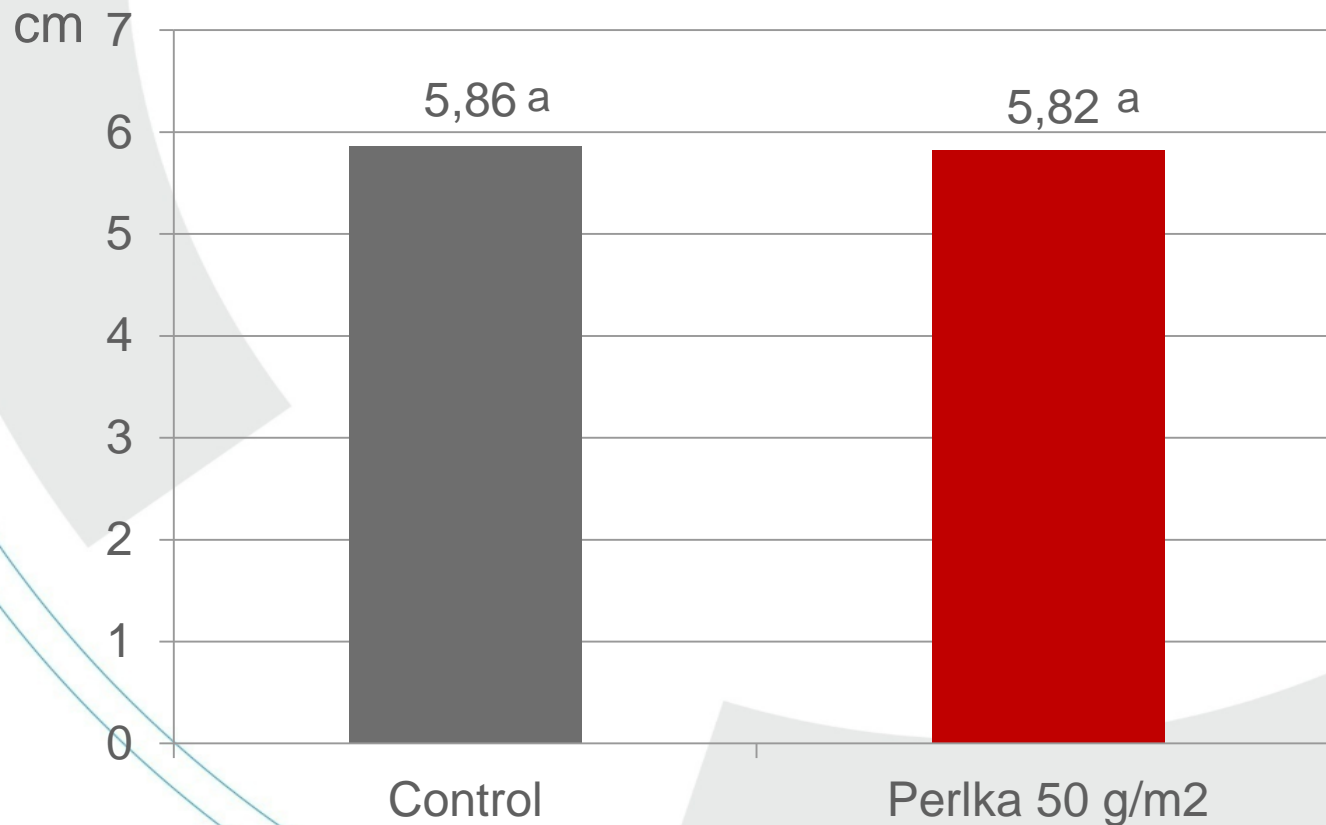
Trial Ceres Farms I. El Huerto, Ecuador, 2014

Head size cv Vendela 85 days after PERLKA fertilisation



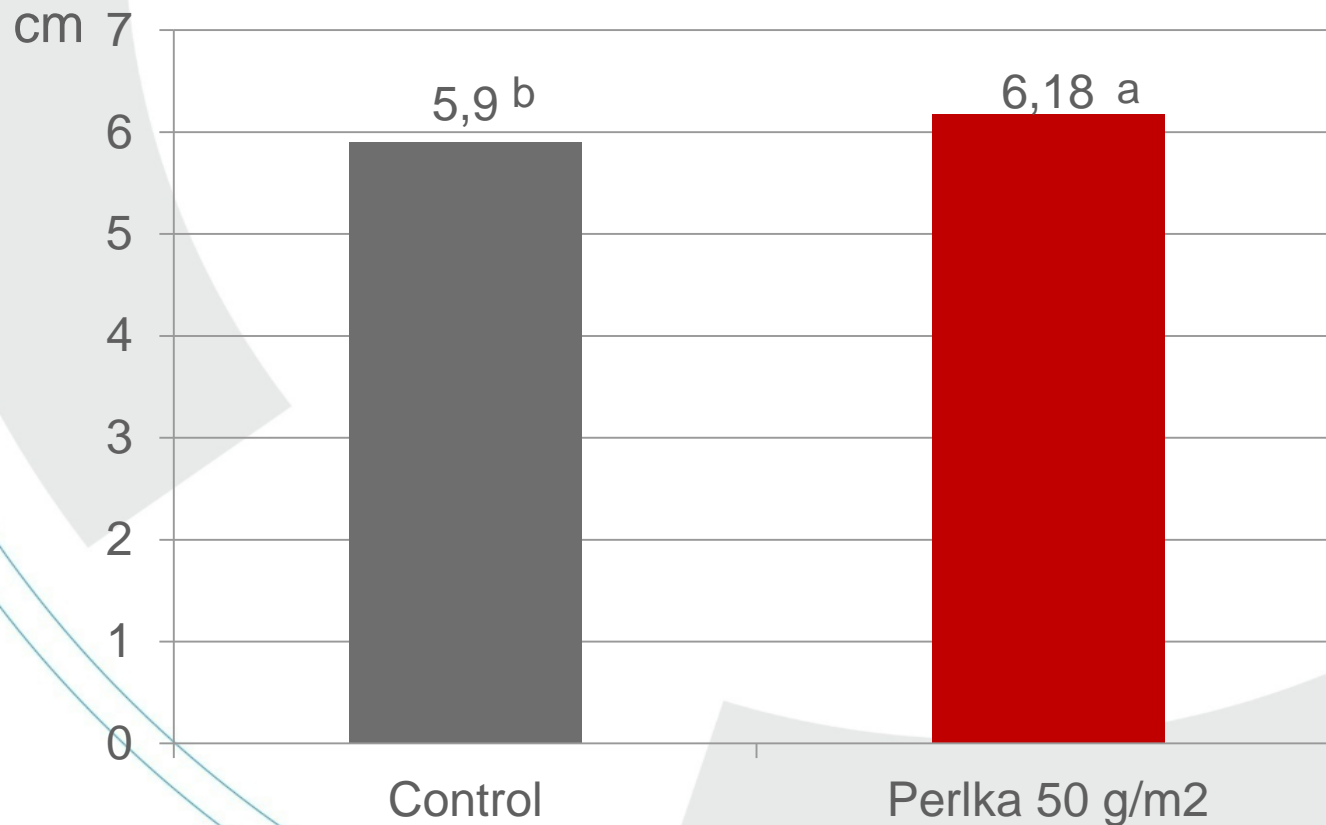
Trial Ceres Farms II. El Huerto, Ecuador, 2014

Head size cv Vendela 35 days after PERLKA fertilisation



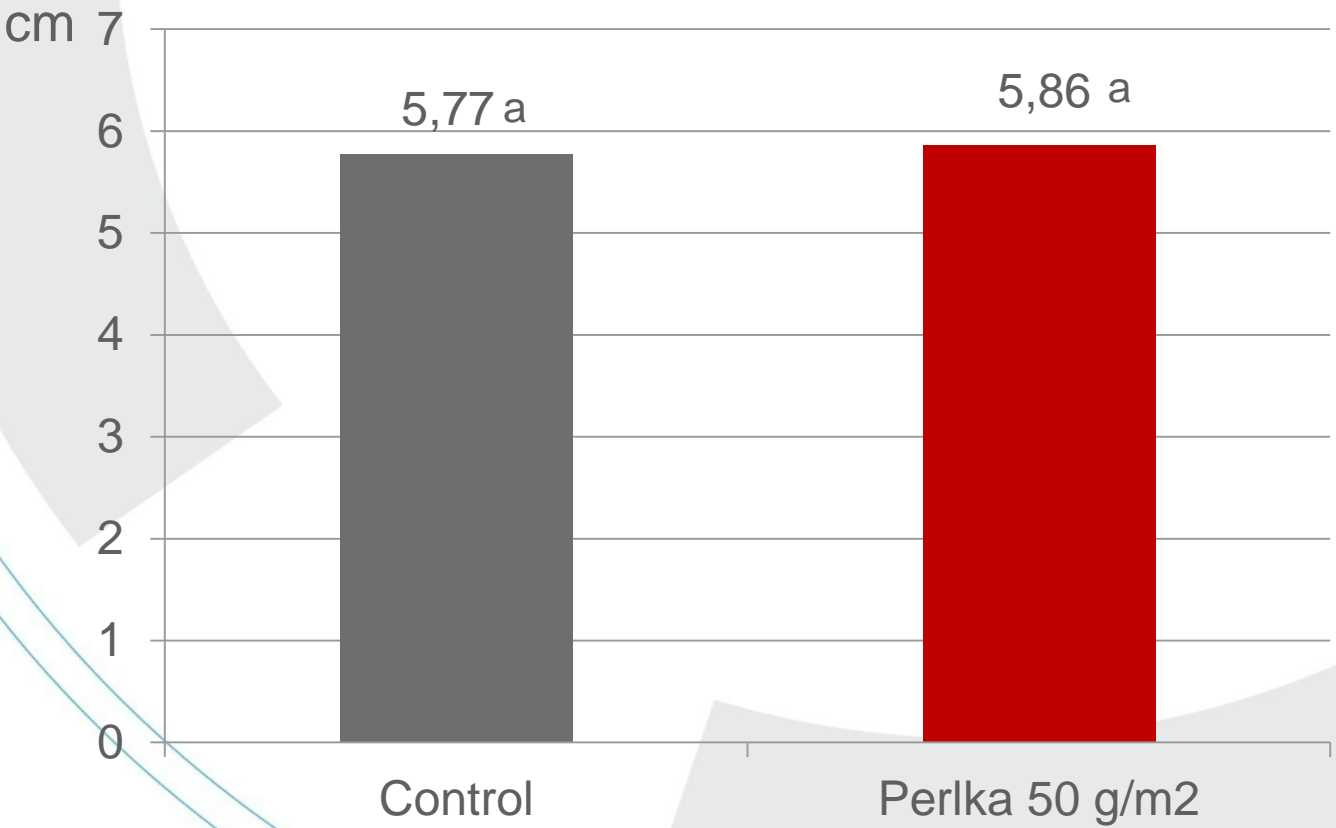
Trial Ceres Farms III. El Huerto, Ecuador, 2014

Head size cv Freedom 35 days after PERLKA fertilisation



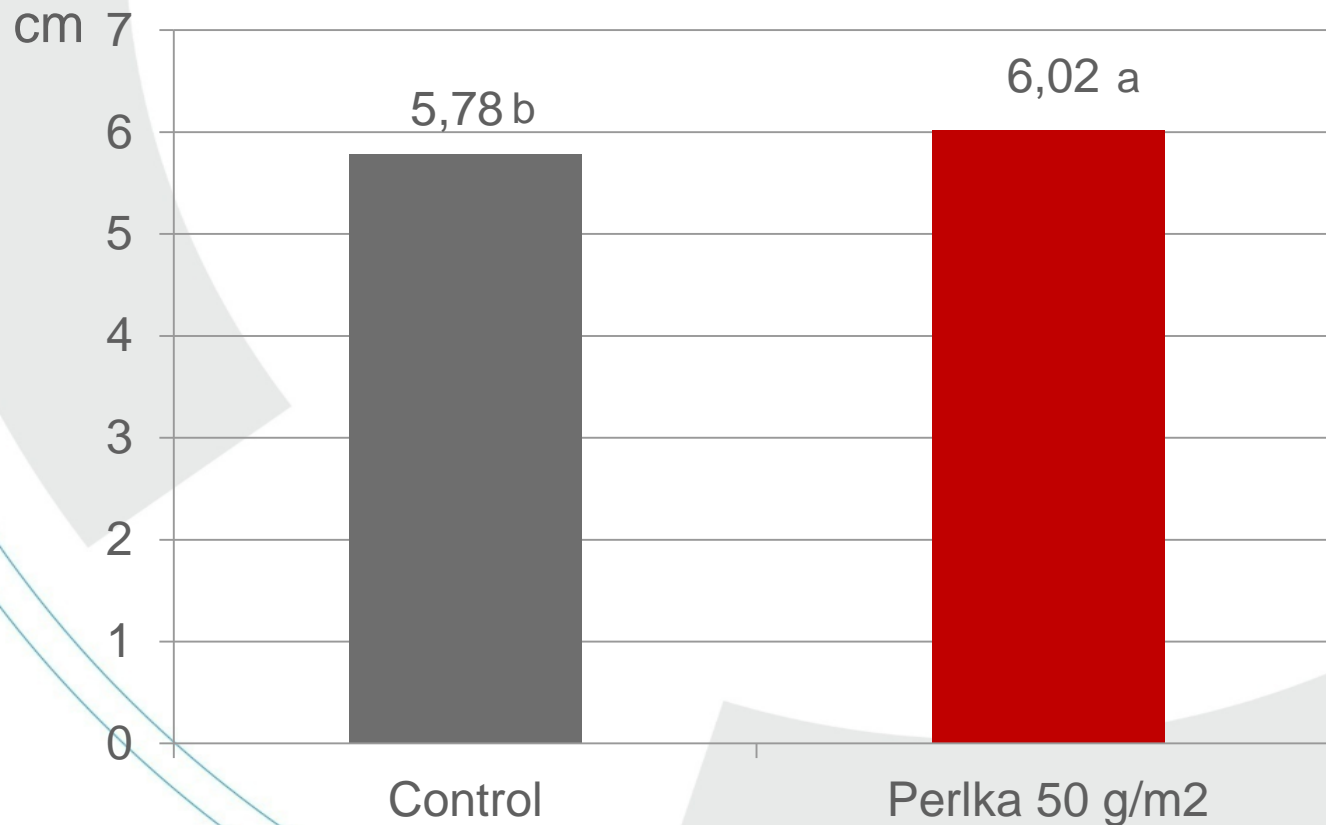
Trial Ceres Farms I. El Huerto, Ecuador, 2014

Head size cv Freedom 85 days after PERLKA fertilisation

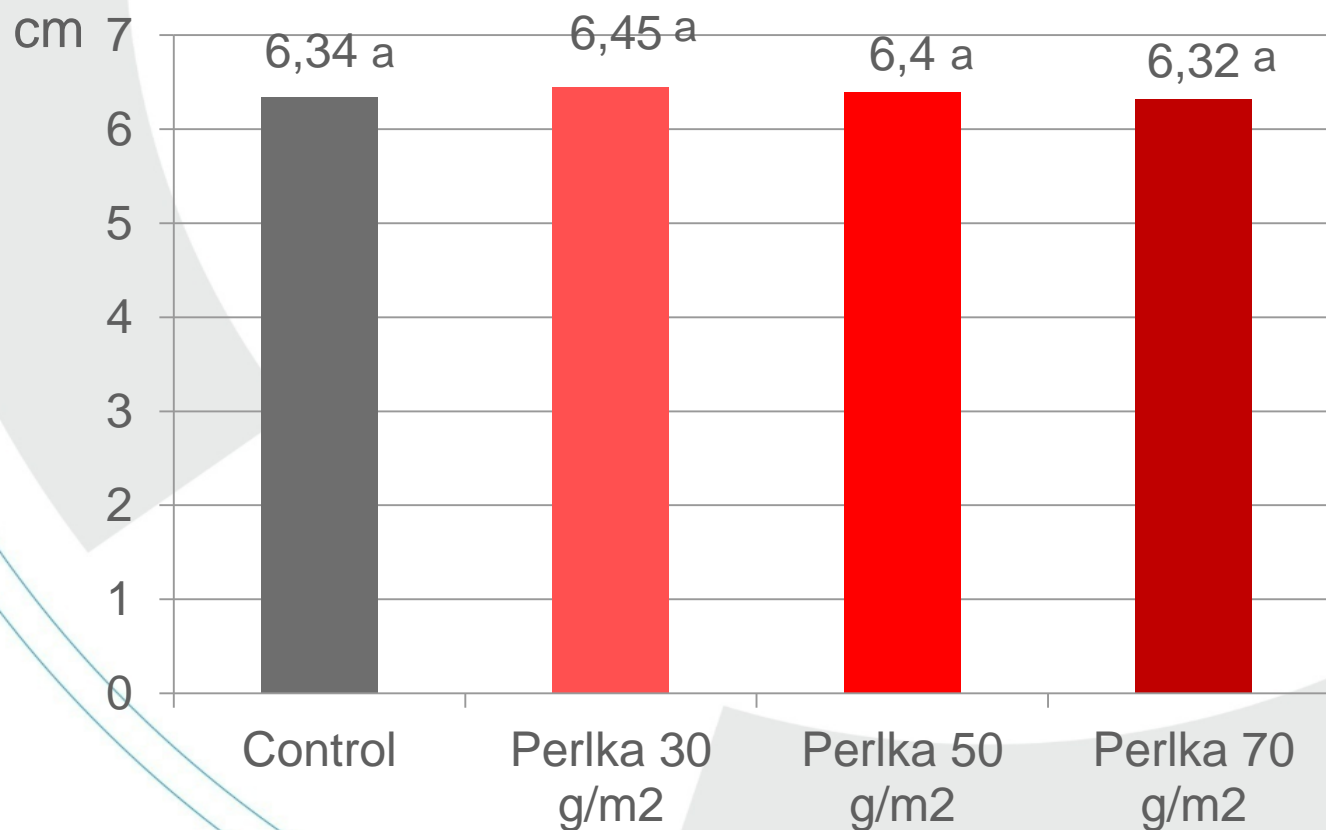


Trial Ceres Farms II. El Huerto, Ecuador, 2014

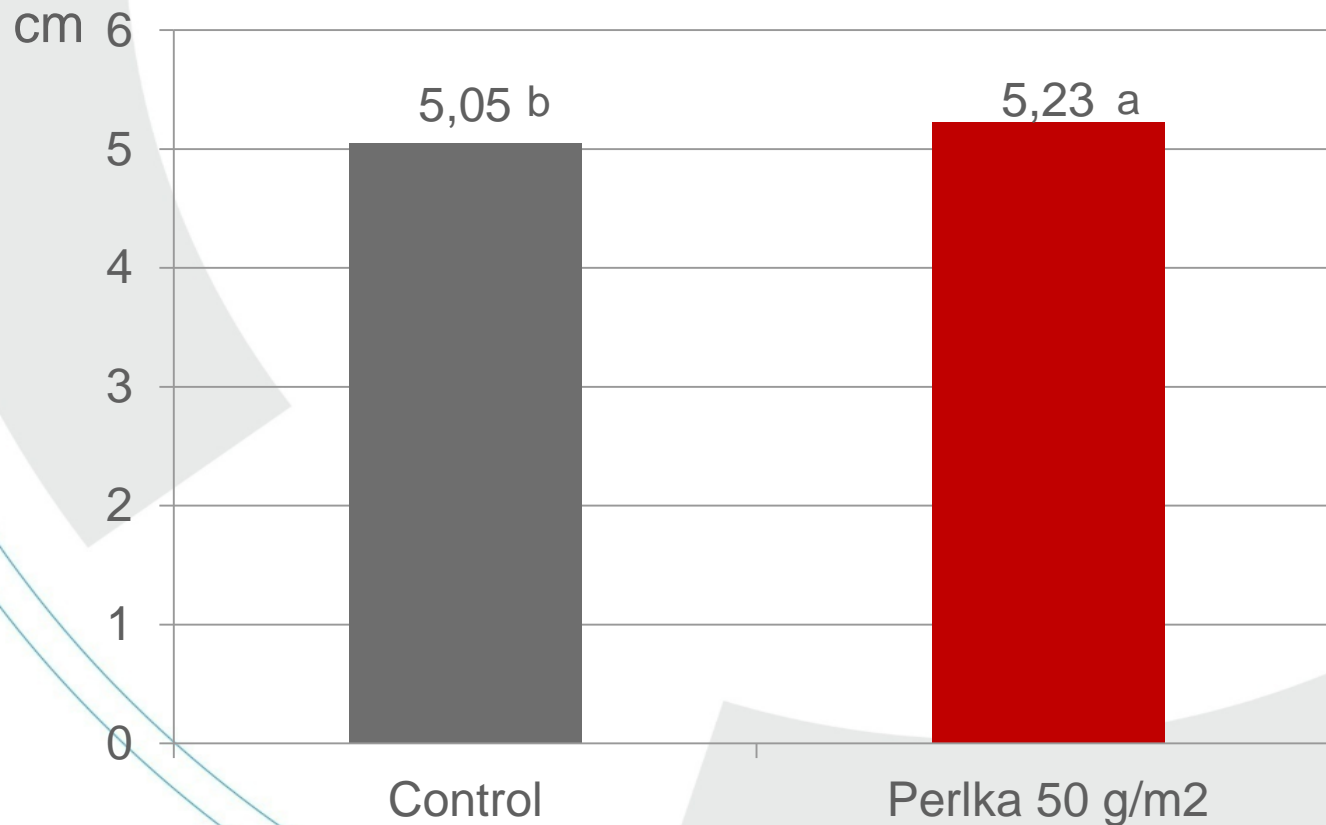
Head size cv Freedom 35 days after PERLKA fertilisation



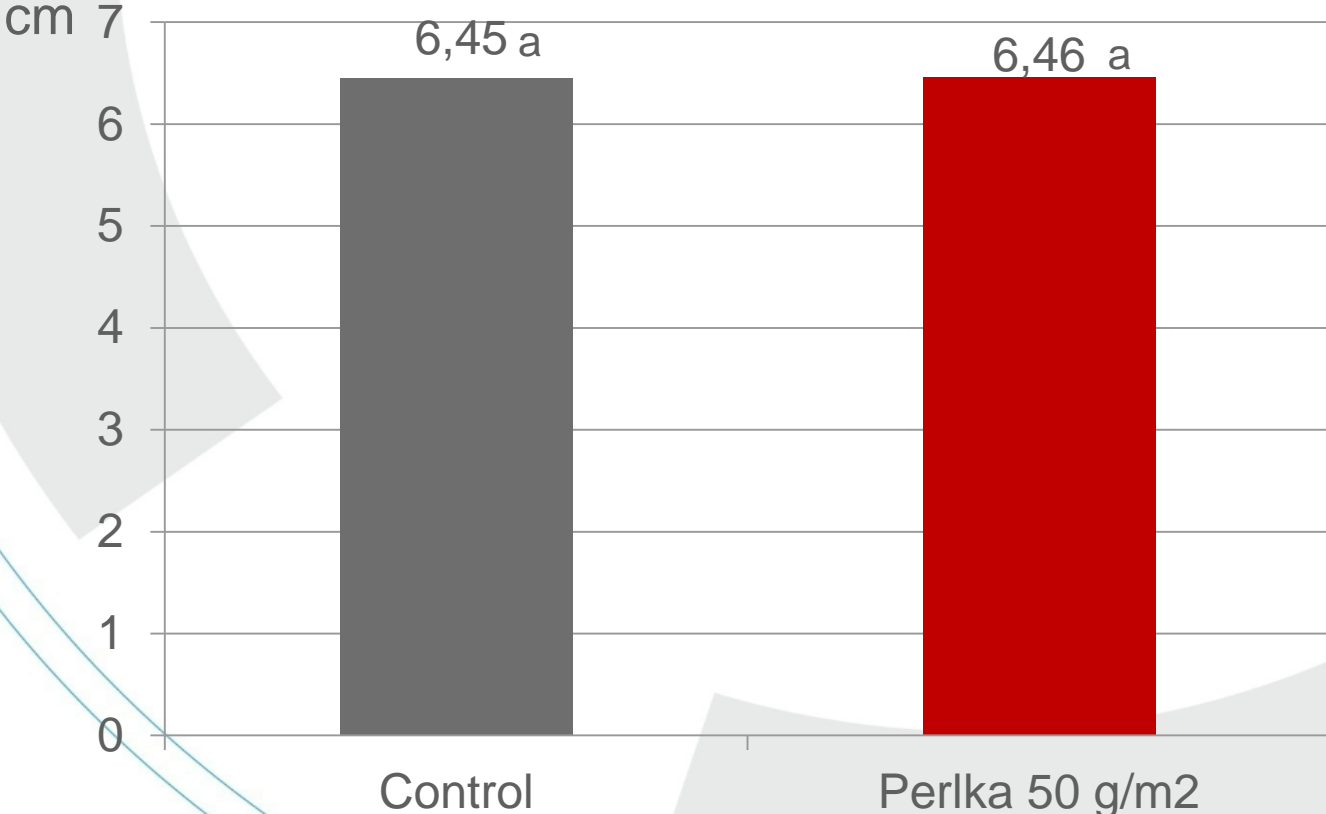
Head size cv Freedom 90 days after PERLKA fertilisation



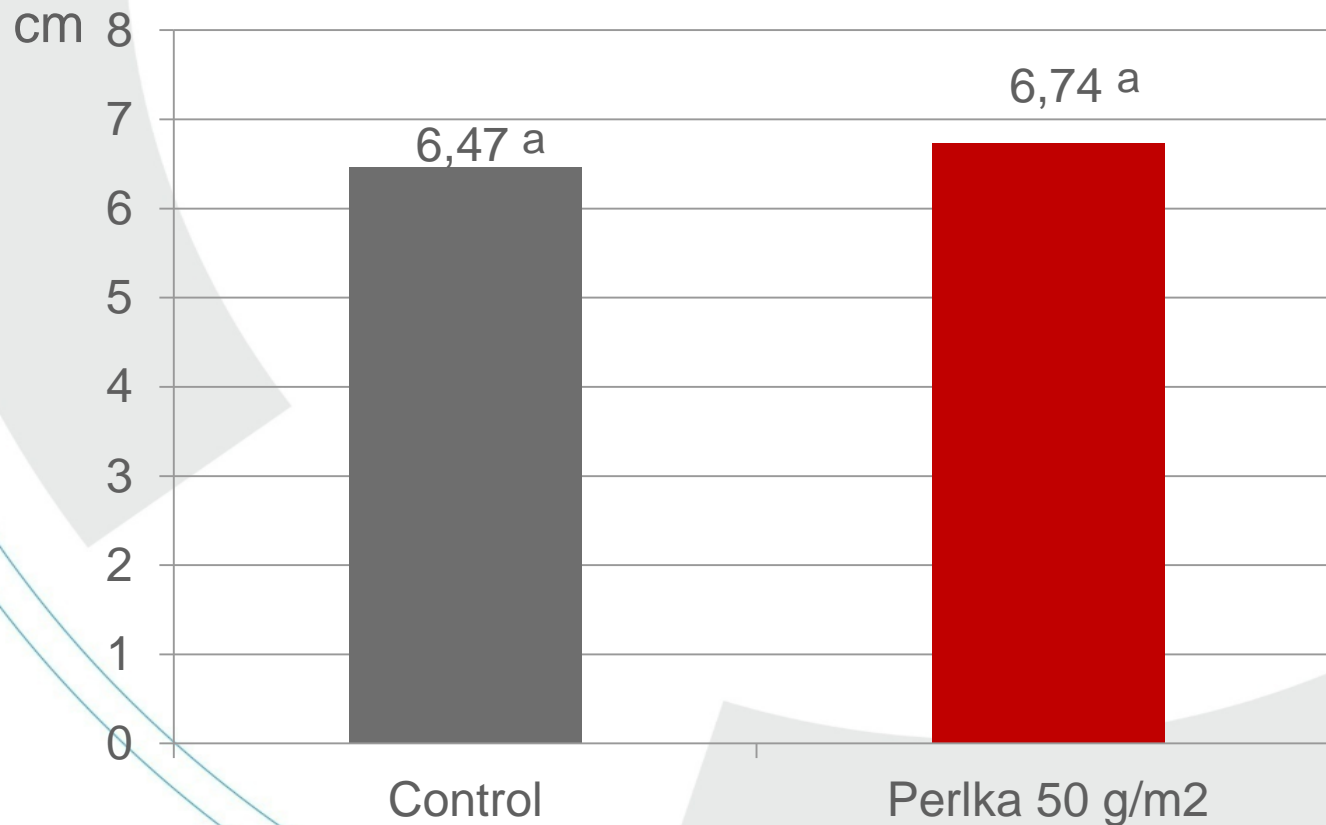
Head size cv Orange Crunch 35 days after PERLKA fertilisation



Head size cv Talea 35 days after PERLKA fertilisation

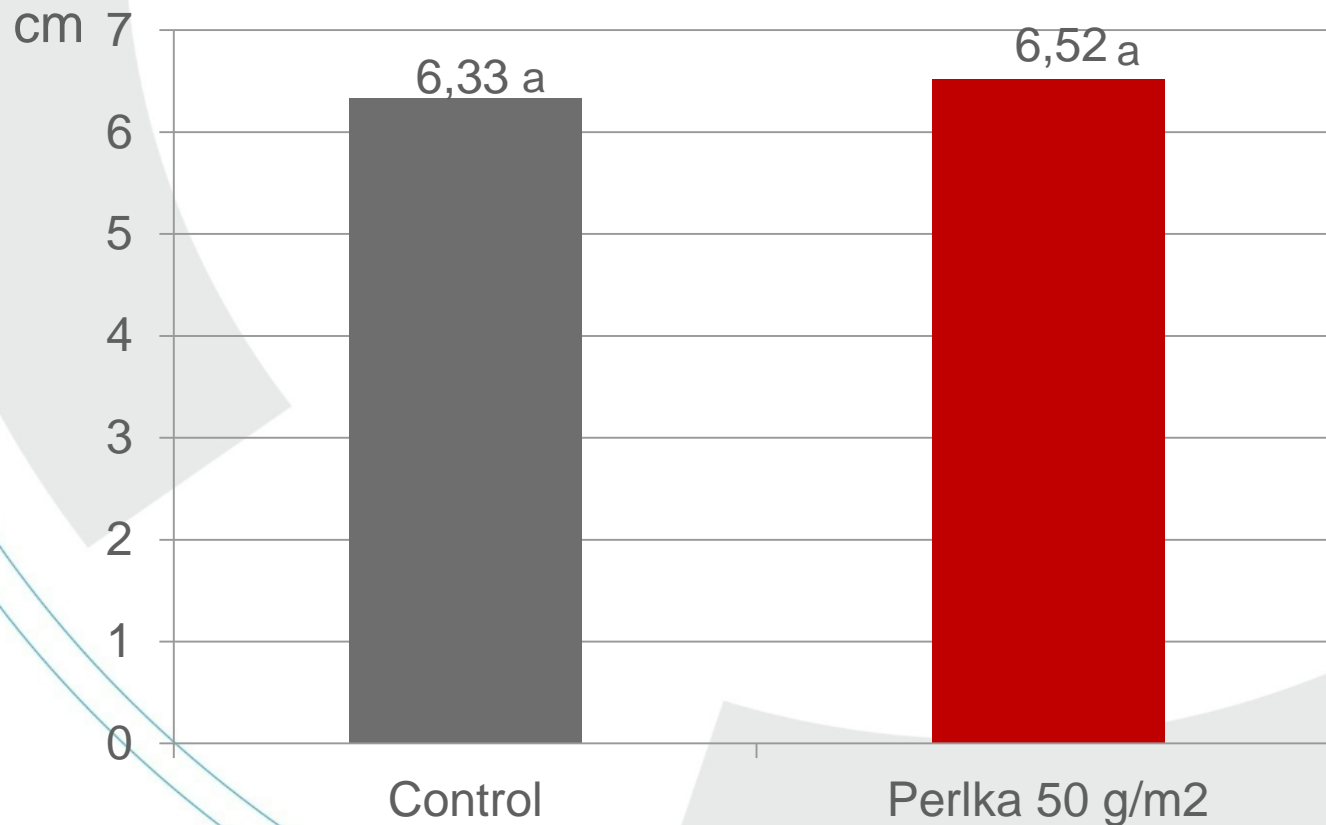


Head size cv Sazu 85 days after PERLKA fertilisation



Trial Ceres Farms II. El Huerto, Ecuador, 2014

Head size cv Sazu 35 days after PERLKA fertilisation

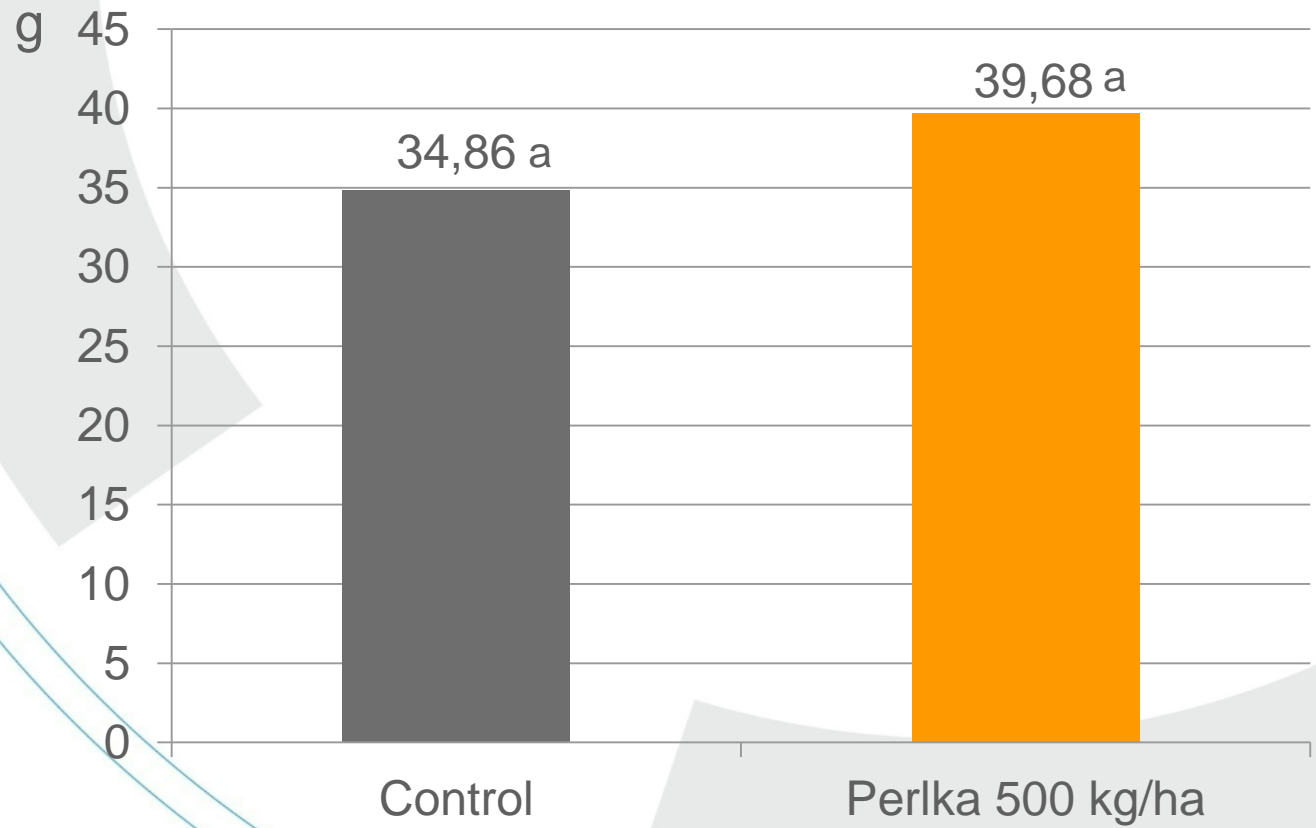


Trial Ceres Farms III. El Huerto, Ecuador, 2014

Head weight (g)



Head weight cv Angels

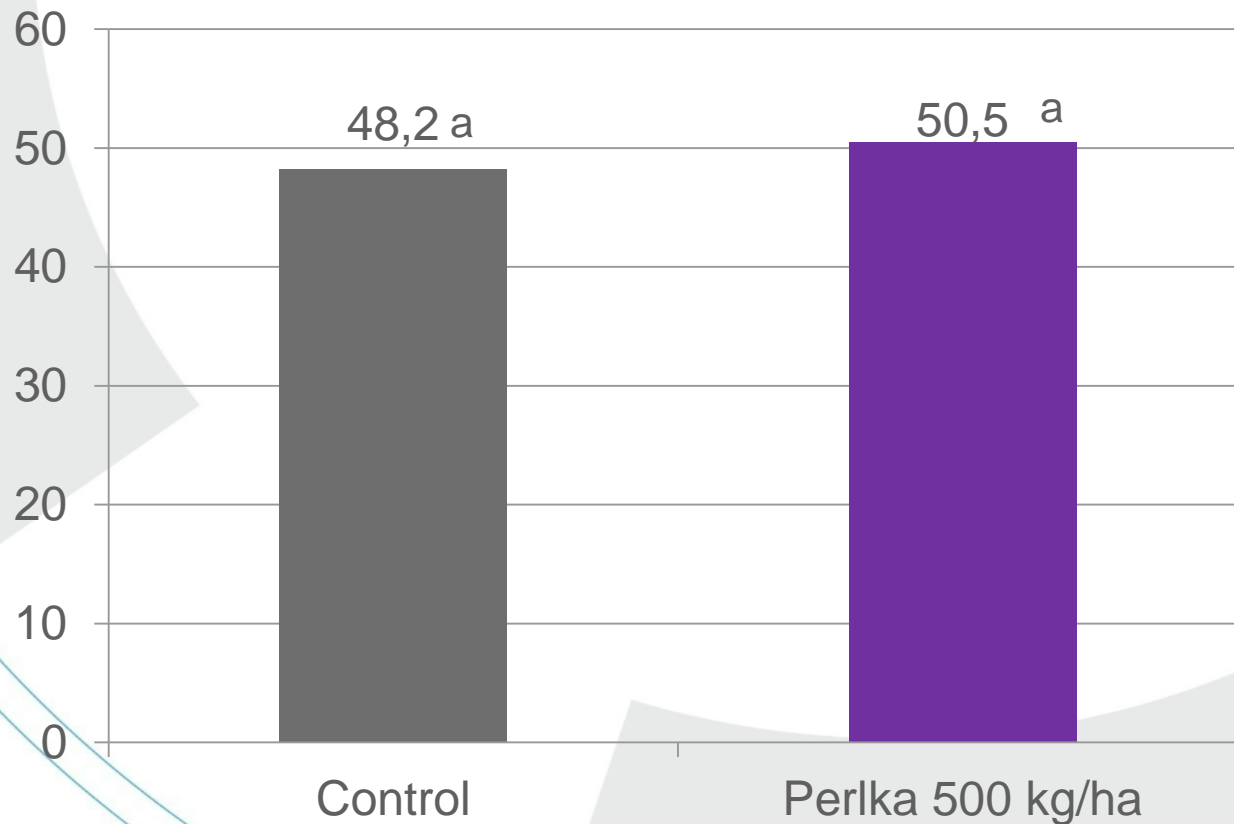


Trials Alkavat. El Huerto, Ecuador, 2014

Number of petals



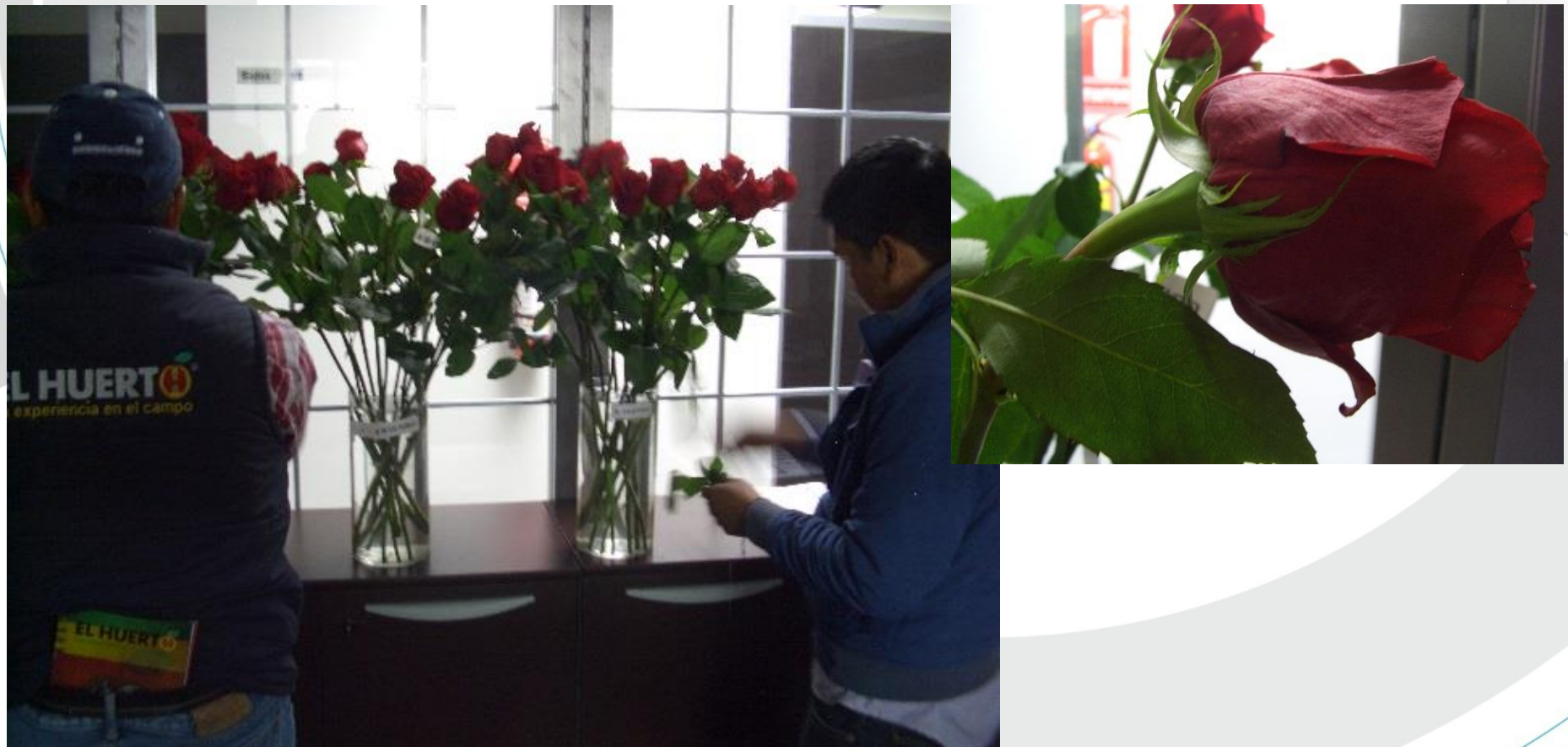
Number of petals cv Angels



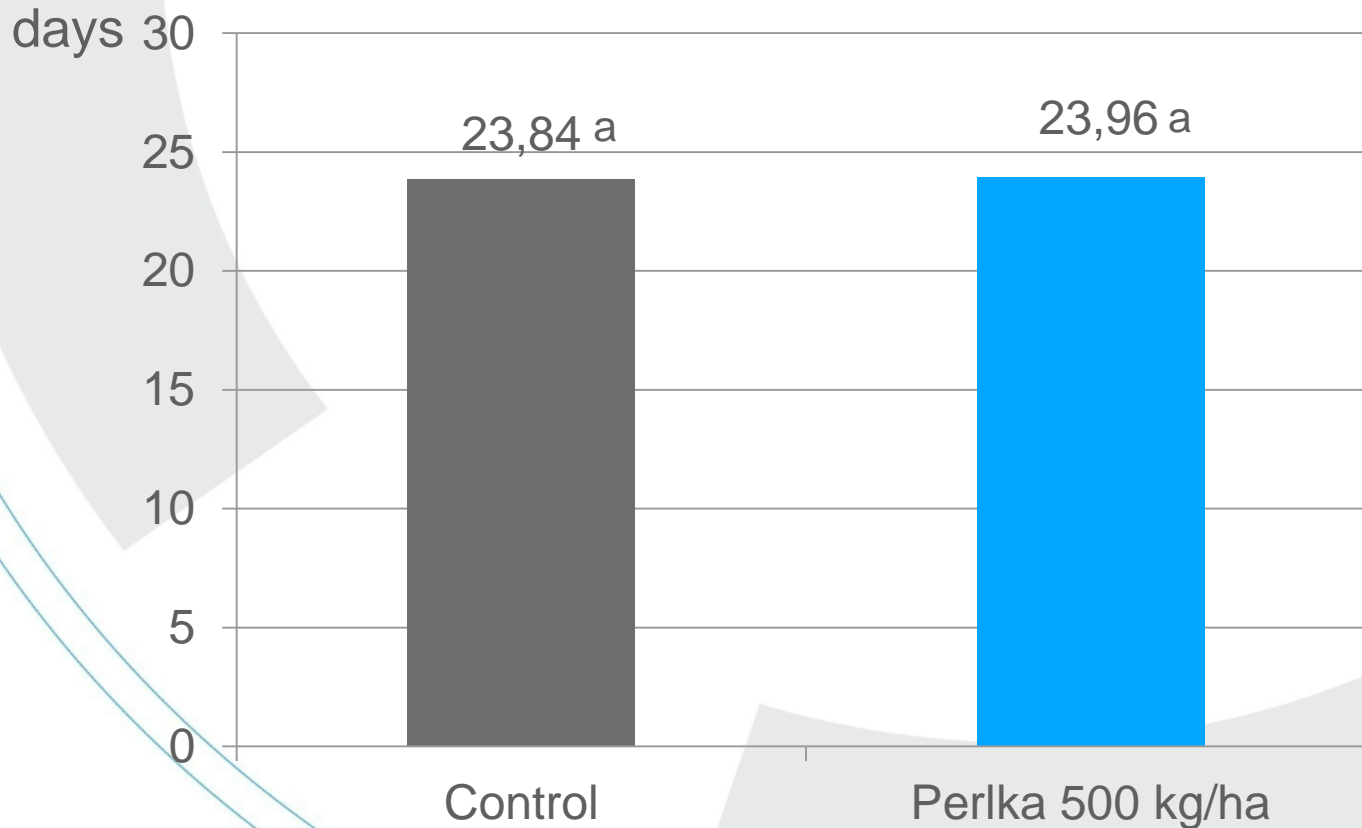
Trial Alkavat. El Huerto, Ecuador, 2014

Roses

Shelf life in vase (days)



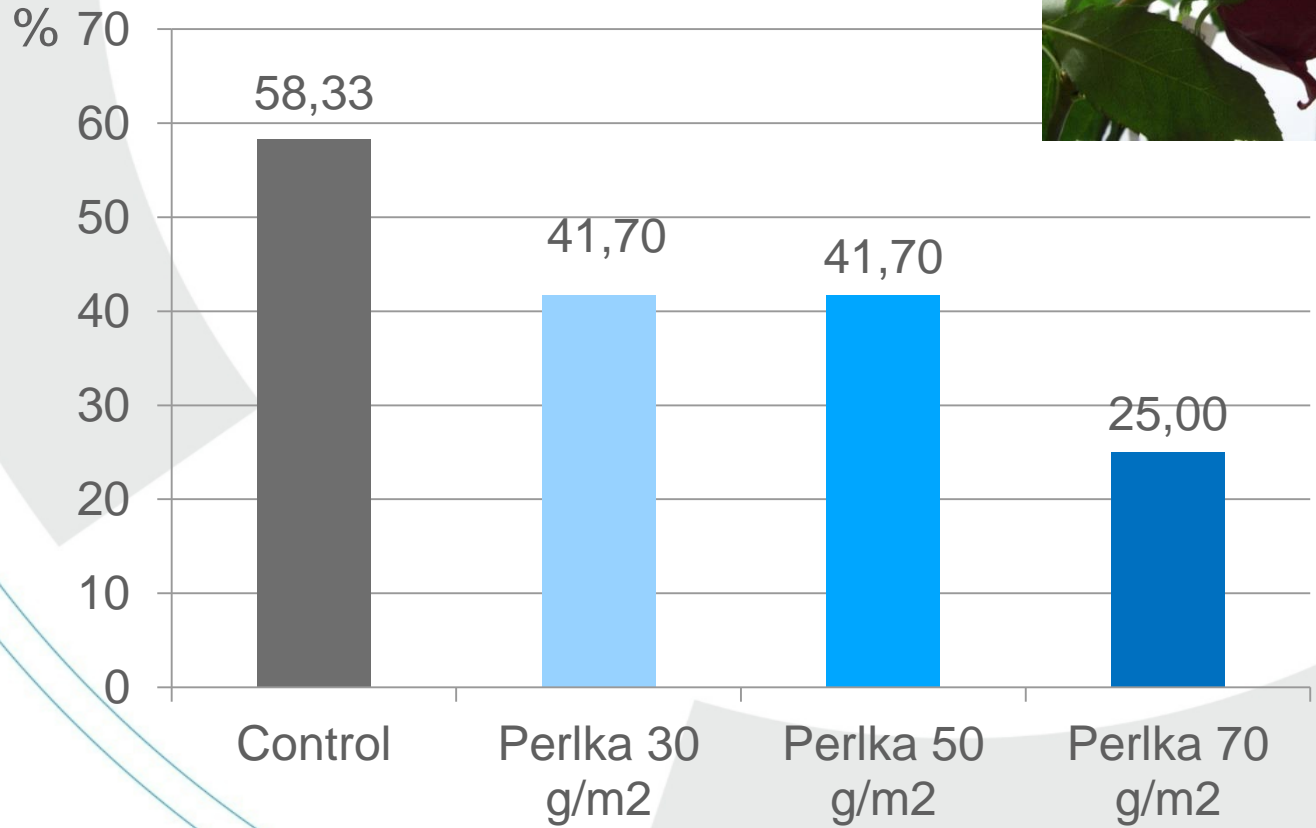
Shelf life in vase cv Angels



Roses

Shelf life in vase cv Freedom

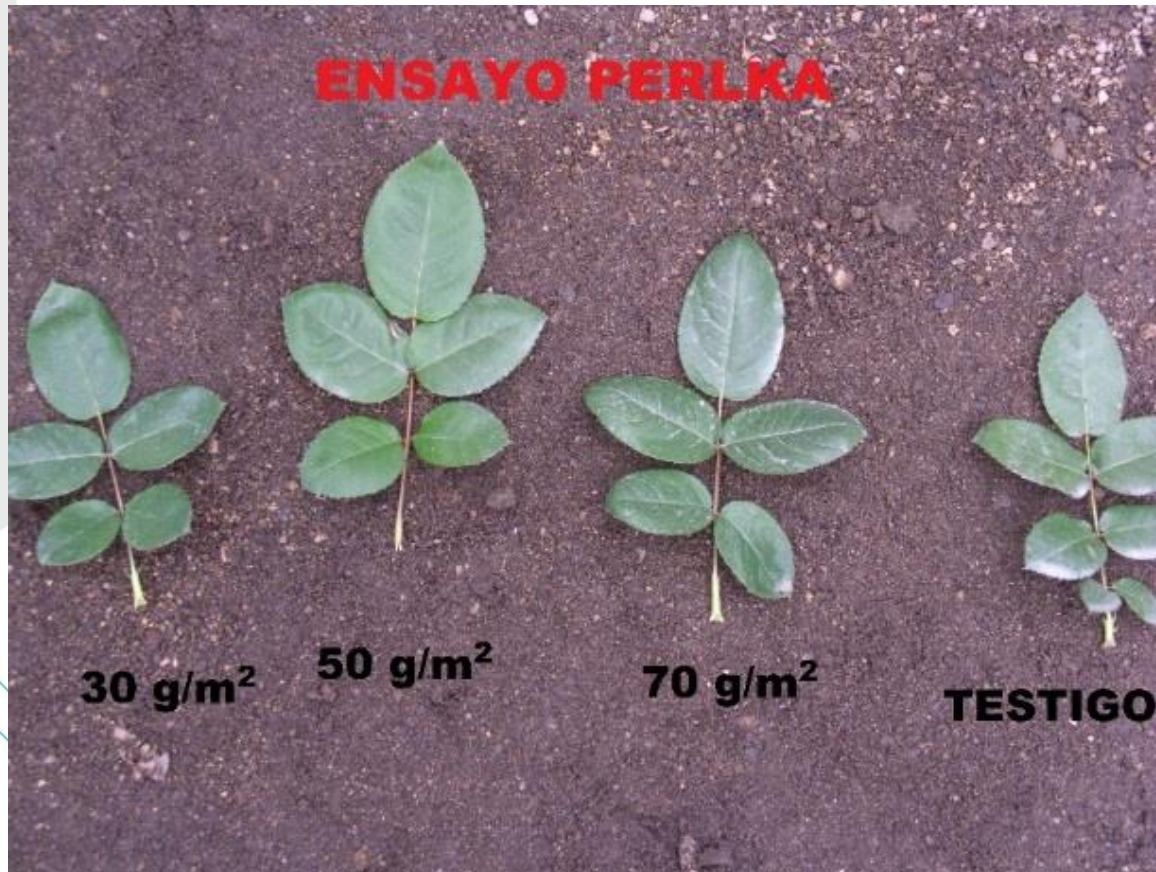
Percentage of “nodding” flowers 15 days after harvest



Trial Tessa Roses. El Huerto, Ecuador, 2014

Leaf size cv Freedom

A leaf area increase was observed in PERLKA fertilised plants:



Conclusions

- ✓ Longer stems were observed after a fertilisation with PERLKA
- ✓ Slight bigger heads were observed after a fertilisation with PERLKA
- ✓ The best results were obtained in cv Freedom
- ✓ Less weeds were observed after a fertilisation with PERLKA
- ✓ The best results were achieved with a rate of 500 kg /ha
- ✓ Rates of 700 kg/ha showed negative effects

