



**Eesti
Taimekasvatuse
Instituut**

Kaera sordivõrdluse ja väetiskatse tulemused

Ilmar Tamm

ilmar.tamm@etki.ee

Metoodika

Katsed: 2017-2021.a

Katselapid: 3 x 5 m²

Külvisenorm: 500 id tera /m²

Eelvili: punane ristik

Umbrohutõrje: äestamine (2x)

Metoodika

Ilmastik:

2017. a – jahe ja sademeterohke (soodne)

2018. a – tugev põud (ebasoodne)

2019. a – keskmisest pisut soojem, sademeid keskmiselt, mõõdukas põud (soodne)

2020. a – keskmisest sademeterohkem, esines varajast lamandumist (soodne)

2021. a – tugev põud (ebasoodne)

Kaera sortide võrdluskatse (mahe) 2021. a.

Sordid arv. 16
 Katseala pind 1
 Sordid kaevatud 5.07
 Sordid paigutatud 05.08
 Sordid võetud 15.09
 Katseala arve registreeritud 11.10




BÜSSE	
1 Kalle	8 Agrius
2 Kalle	16 Agrius
3 Kalle	15 Ceres
4 Kalle	12 Ceres
5 Kalle	11 Ceres
6 Kalle	14 Ceres
7 Kalle	13 Ceres
8 Kalle	10 Ceres



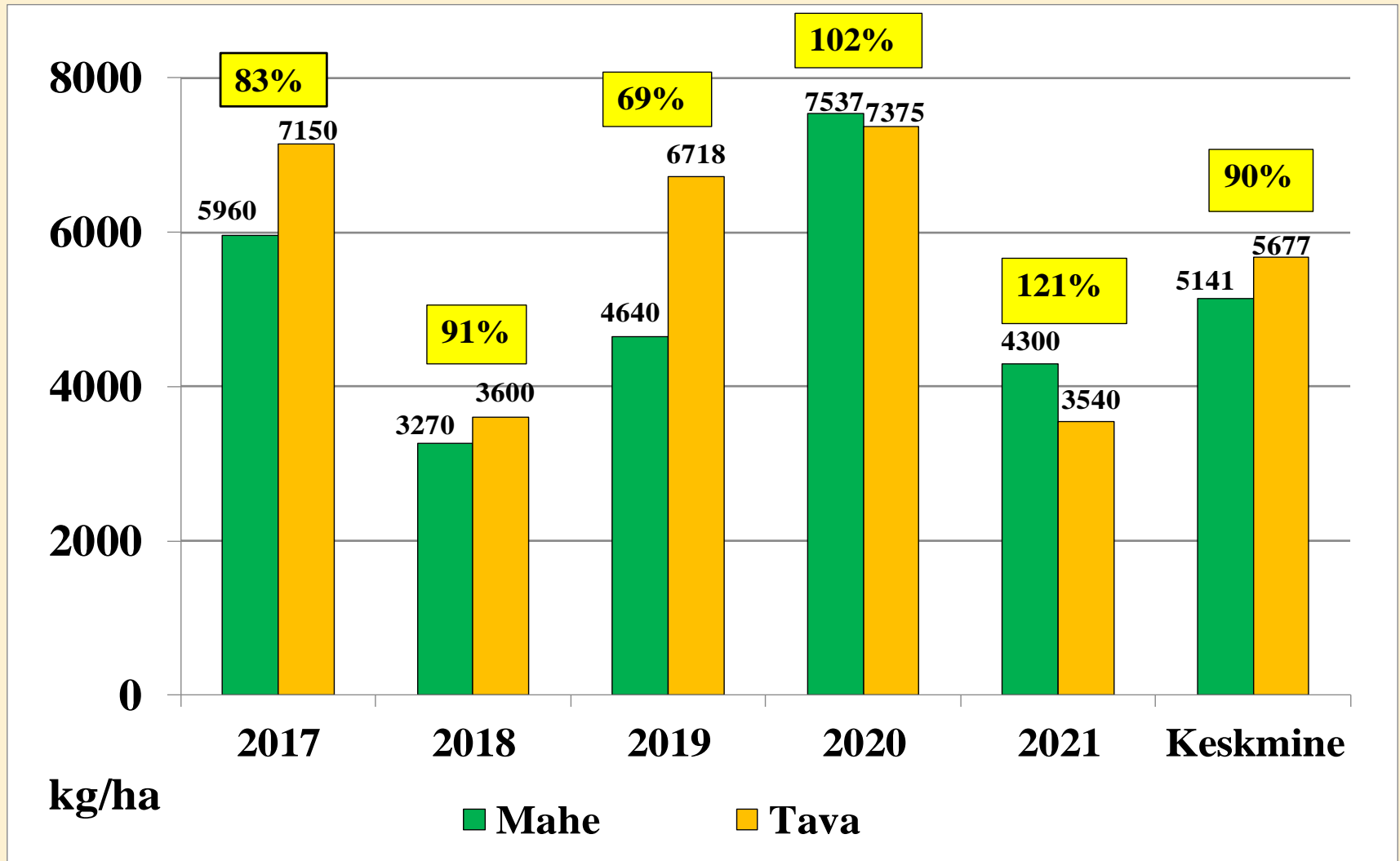
Kalle
 (EML DNE1)

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 (EML DNE1)

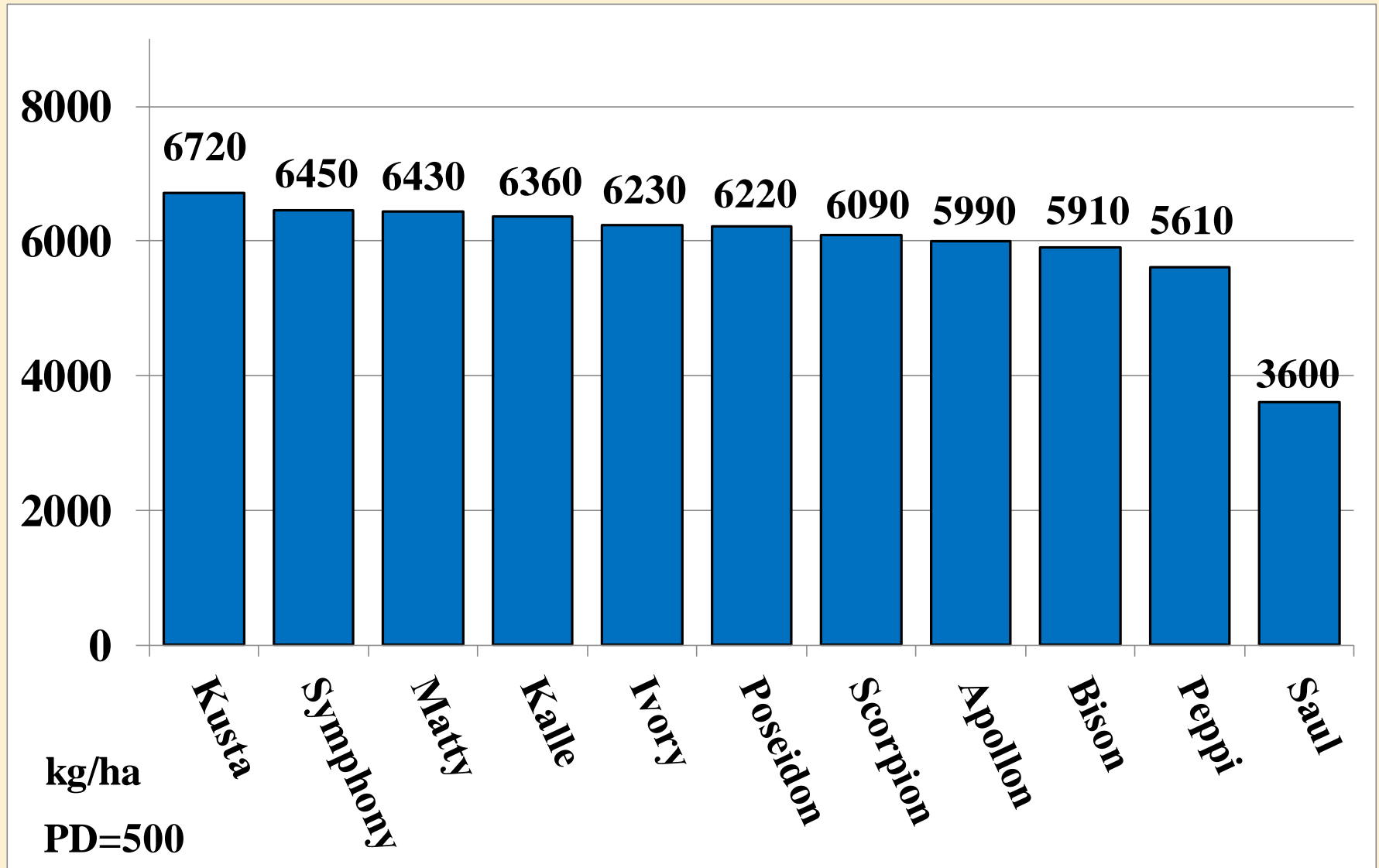
Kalle
 (EML DNE1)

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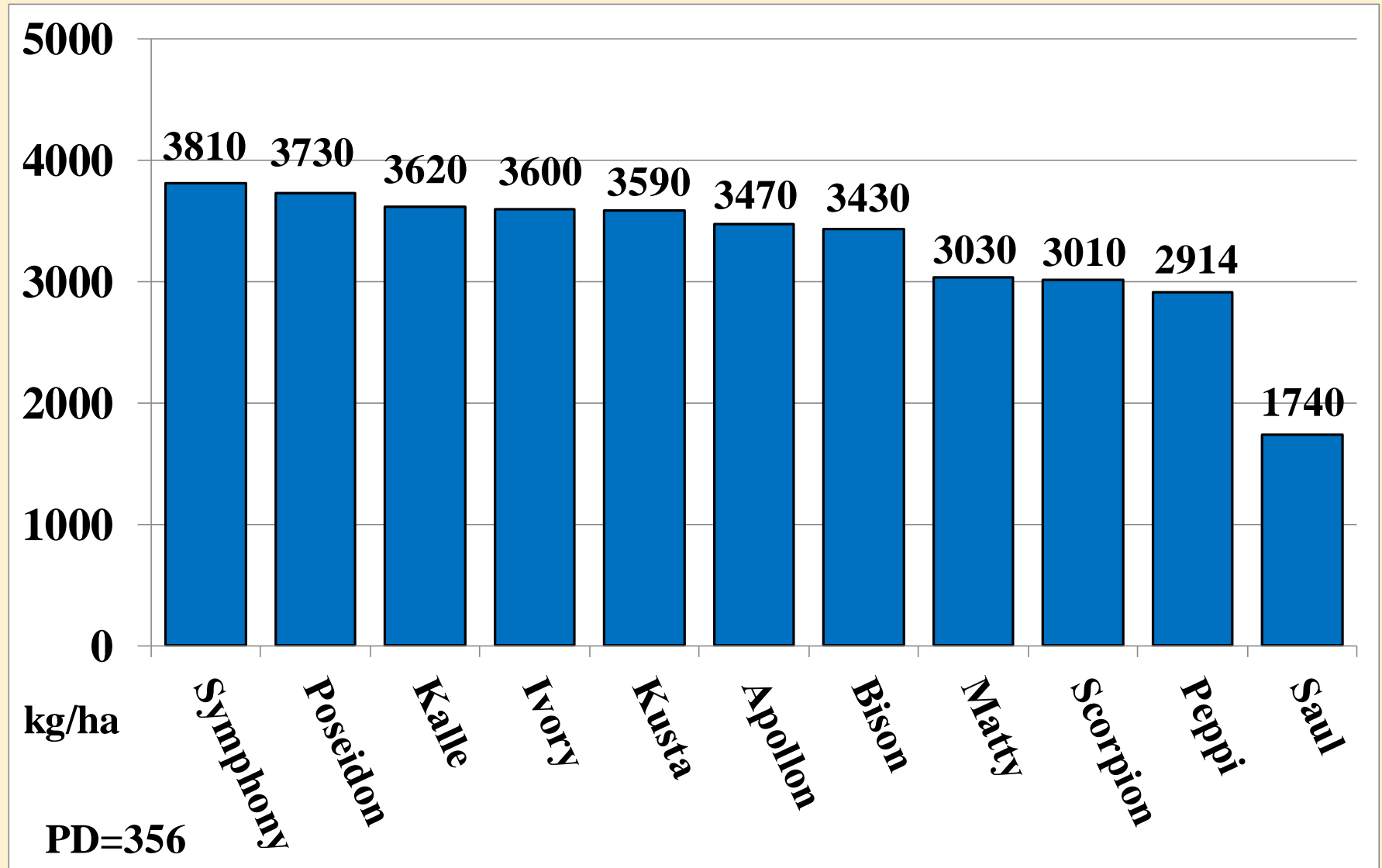
Kaera saagikus Jõgeva mahe- ja tavakatsetes 2017-21.a



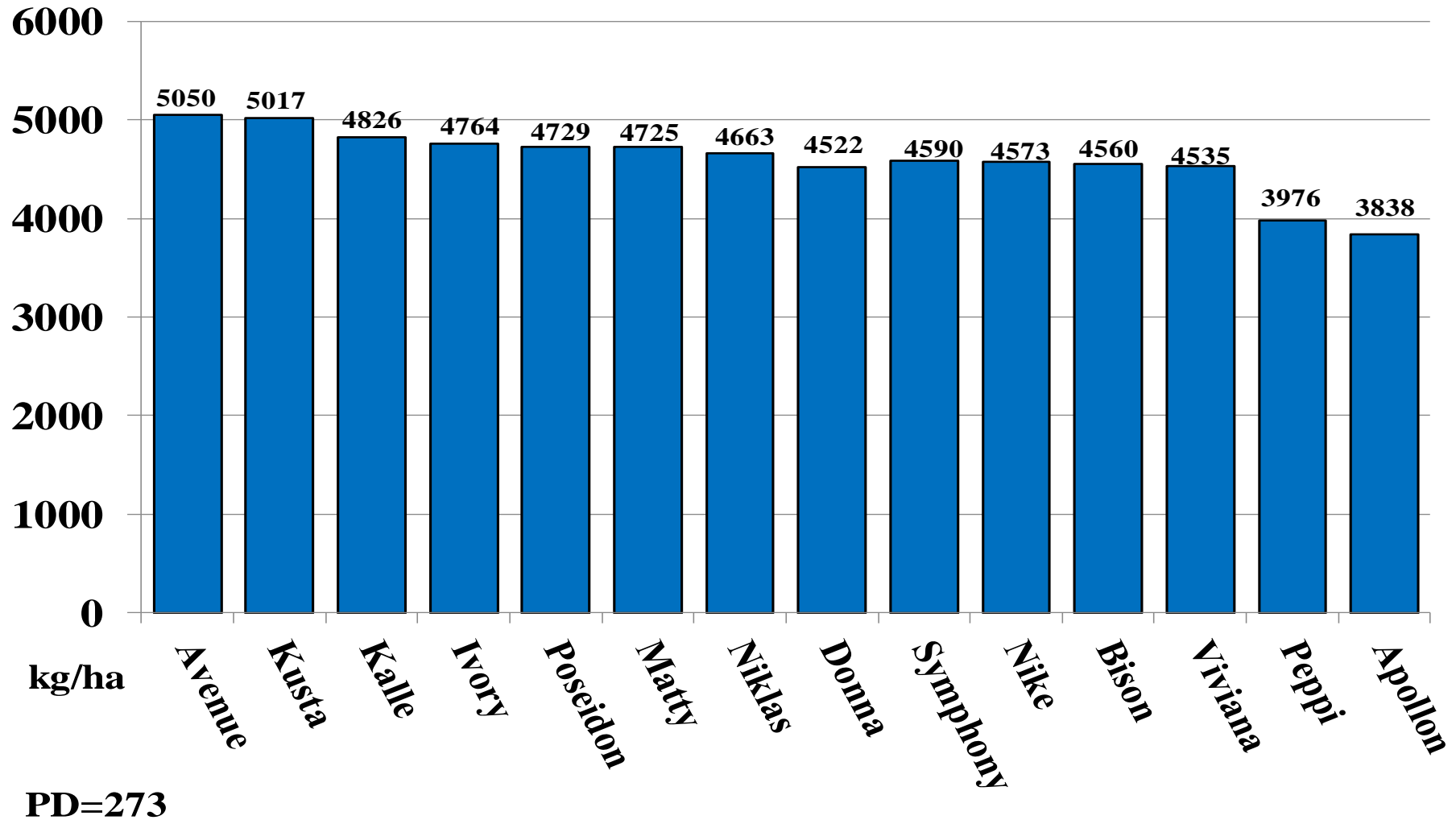
Kaera sortide terasaagid mahekatses 2017.a



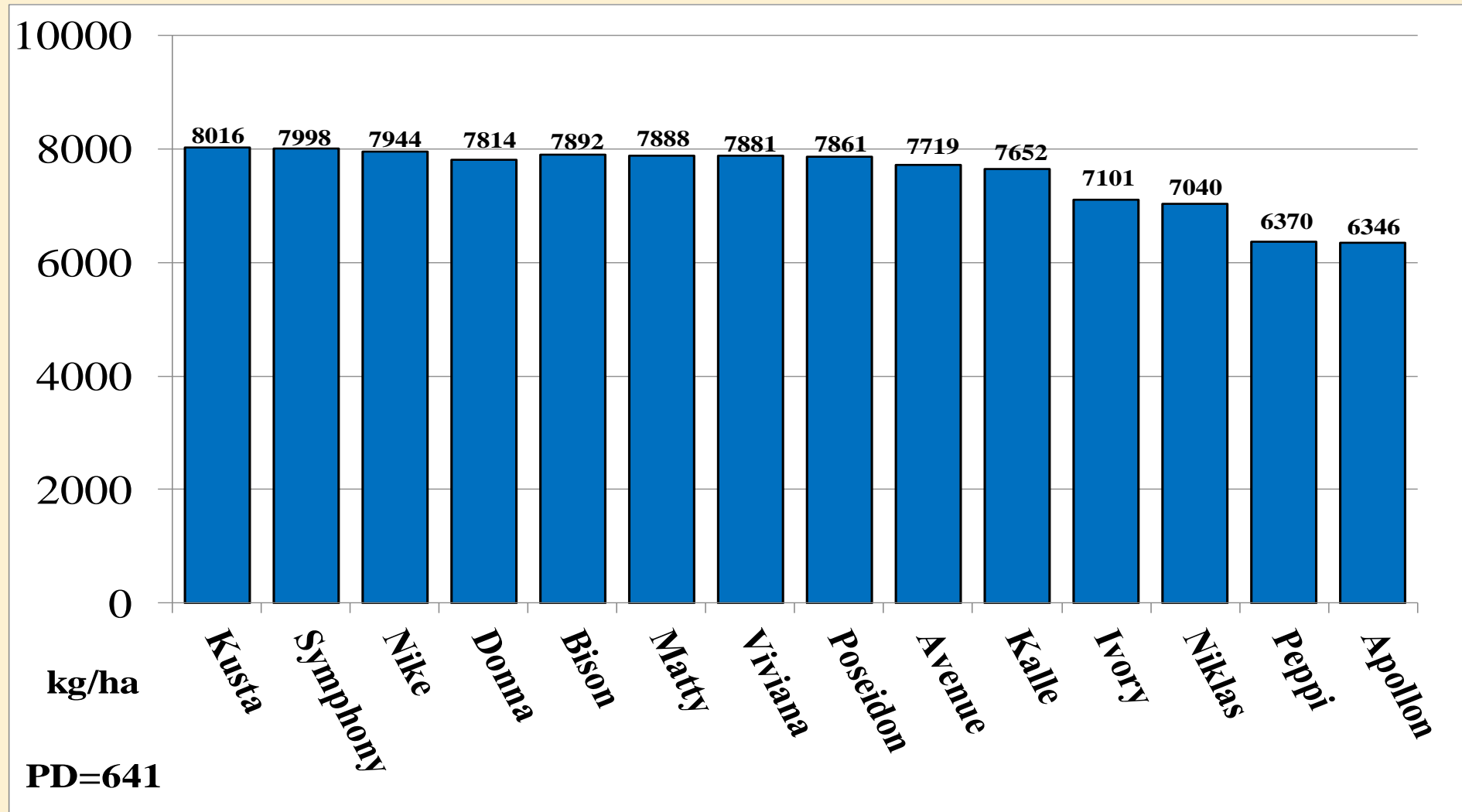
Kaera sortide terasaagid mahekatses 2018.a



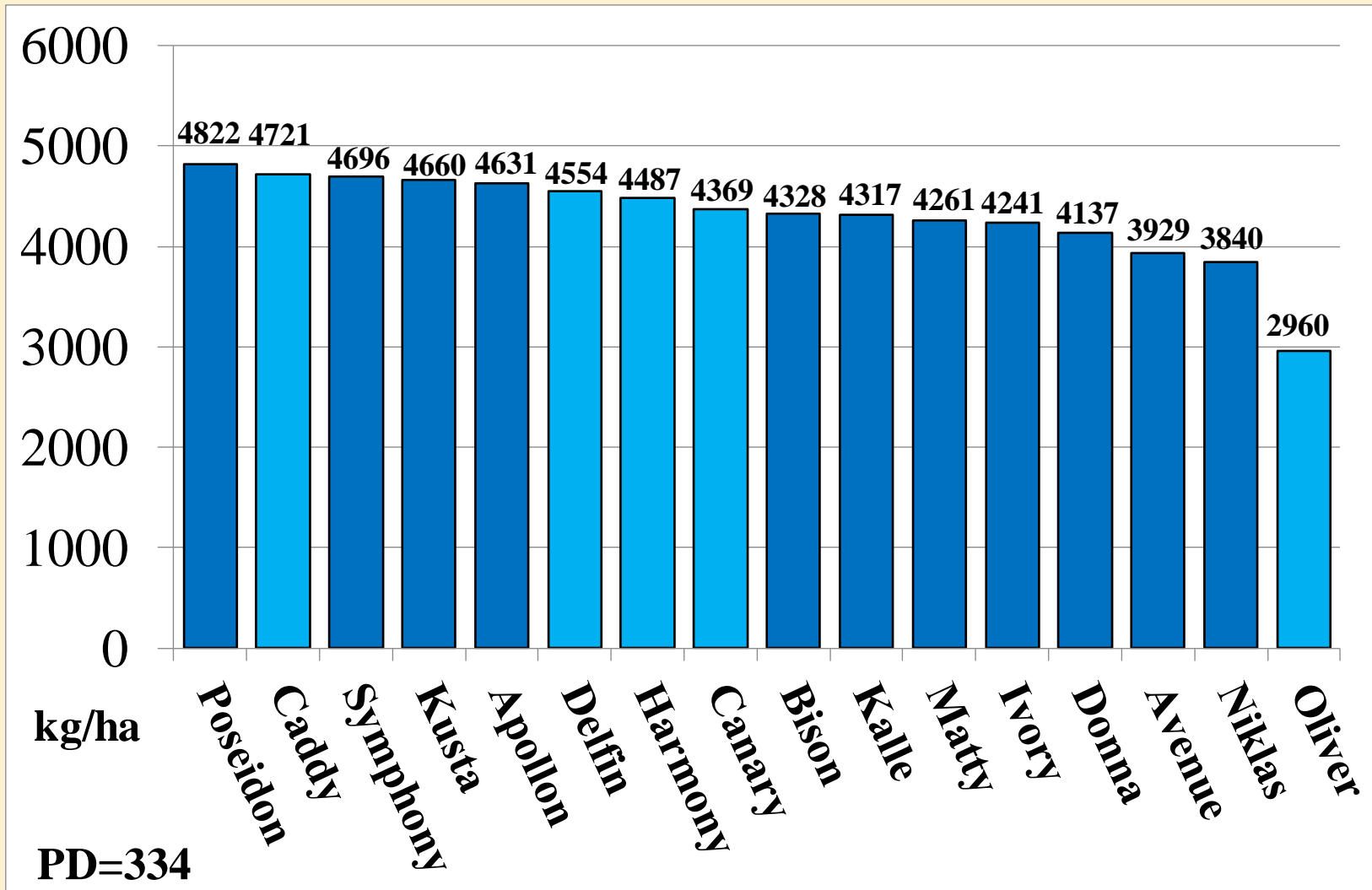
Kaera sortide terasaagid mahekatses 2019.a



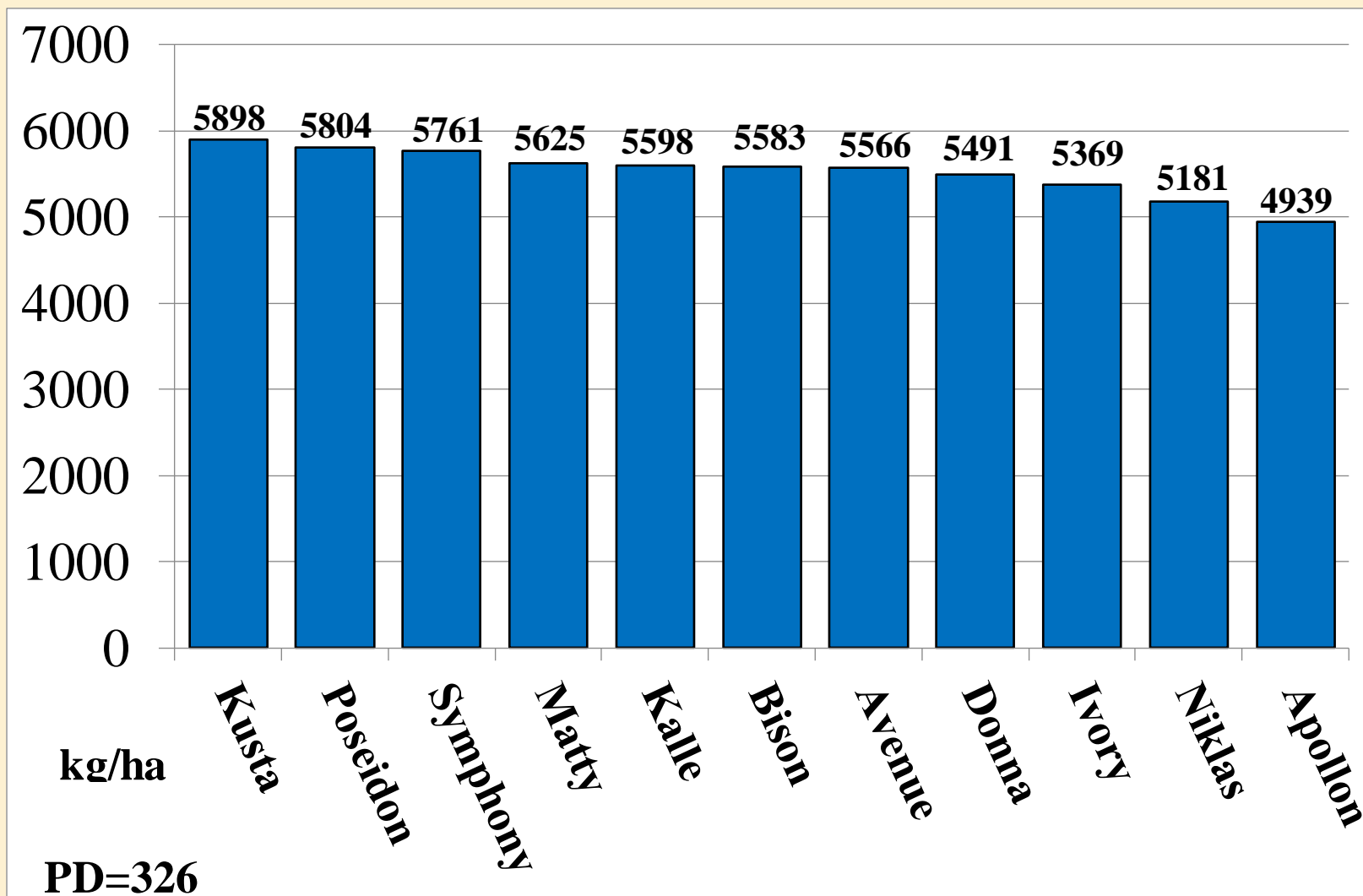
Kaera sortide terasaagid mahekatses 2020.a



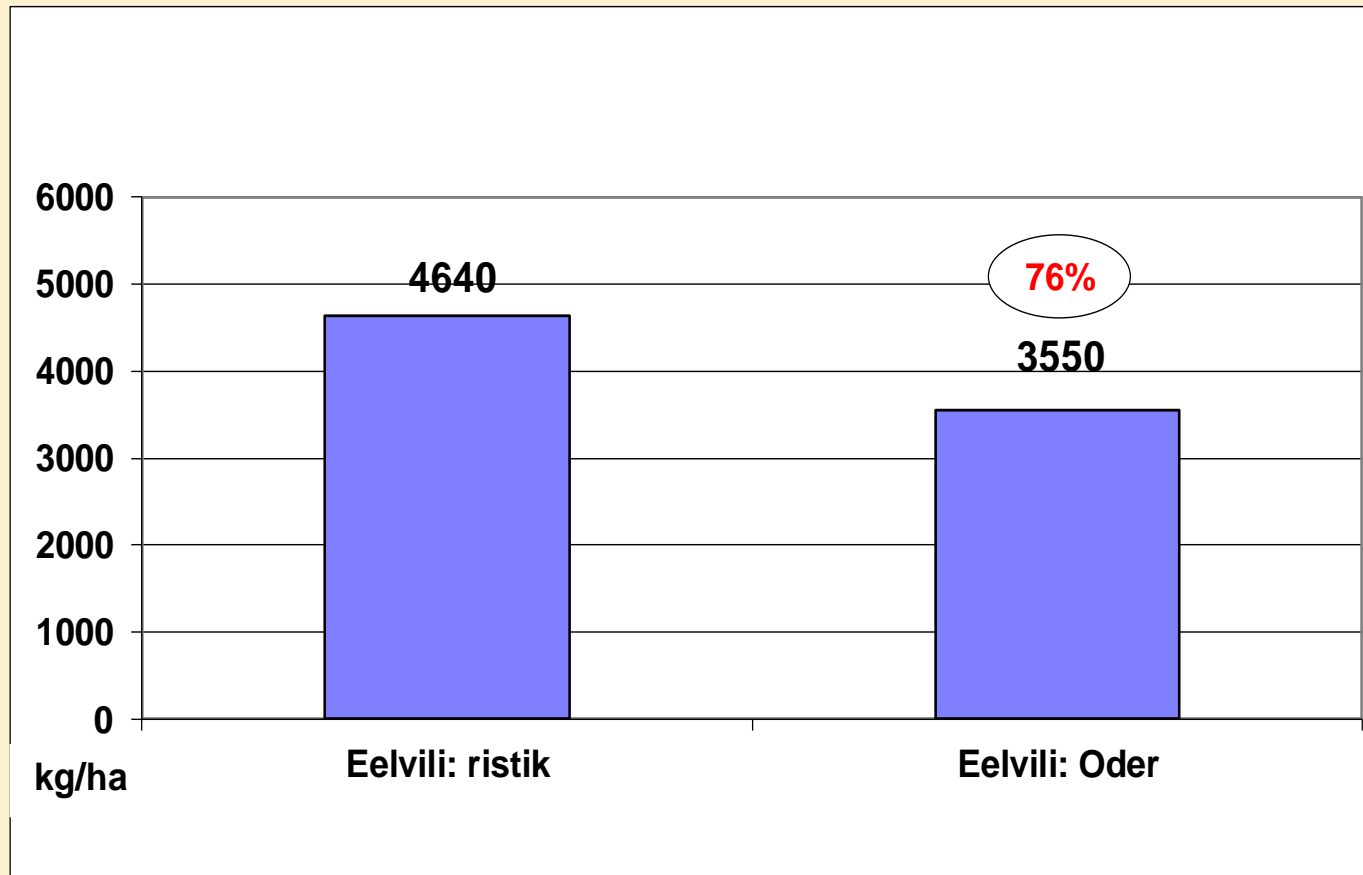
Kaera sortide terasaagid mahekatses 2021.a



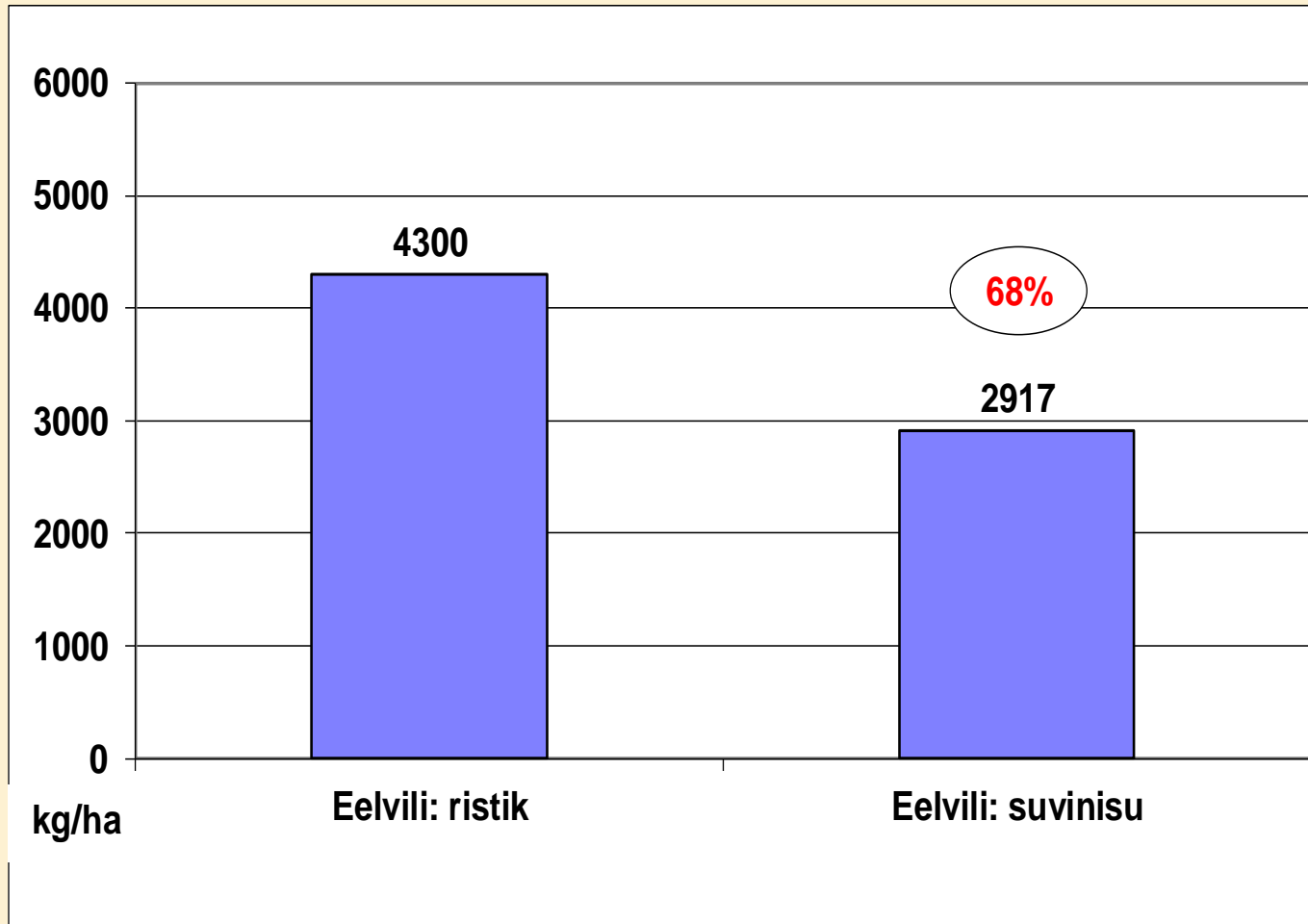
Kaera sortide terasaagid mahekatses 2019-21.a keskmisena



Kaera terasaagid ETKI mahekatses erinevate eelviljade järel 2019. a



Kaera terasaagid ETKI mahekatses erinevate eelviljade järel 2021. a



Tervislikud vähemlevinud teraviljad

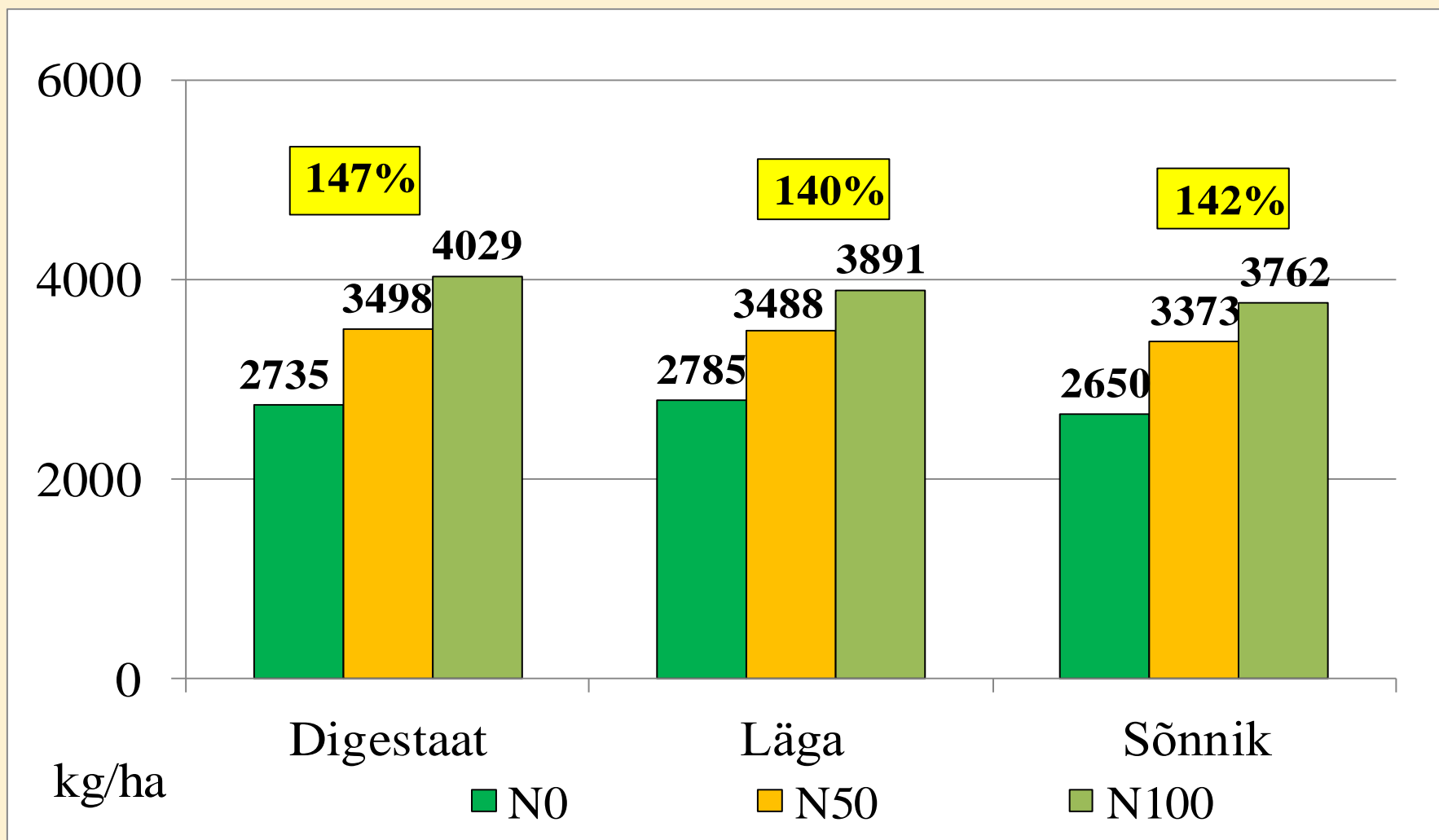
Agrotehnika katse (2015-2016):

erinevad väetise liigid:

(sõnnik, läga, digestaat)

lämmastiku normid (N0; N50; N100)

Kaera väetamine digestaadi, läga ja sõnnikuga 2015-16.a



Agrotehnika katse rajamine



Maheväetise ECOLAN AGRA katse

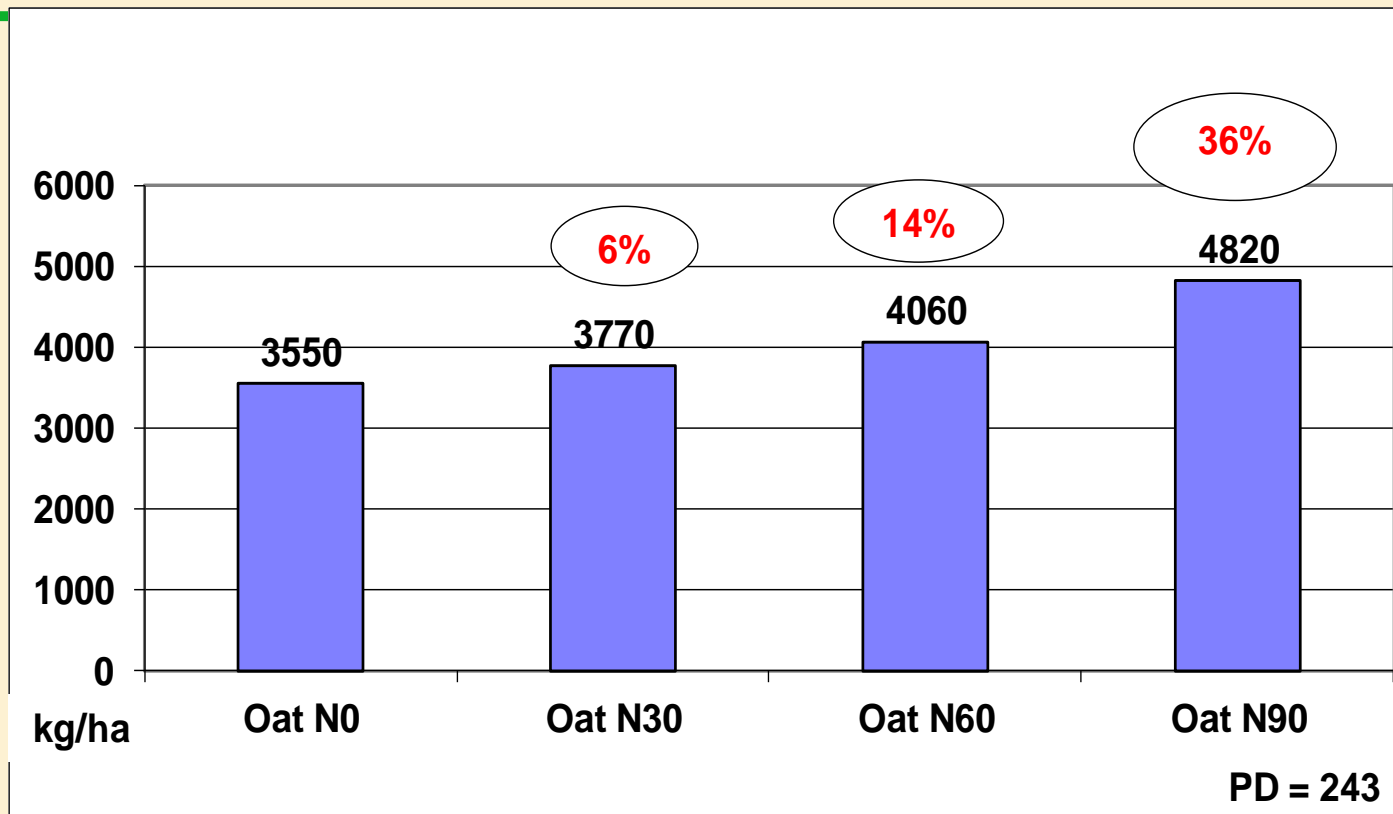
**Soome firma Ecolan Oy
Maheväetis ECOLAN AGRA 8-4-4**

Kaer: N0; N30, N60, N90

Maheväetise ECOLAN AGRA katse



Kaera saak Ecolan AGRA 8-4-4 mahekatses (2019)



Kaer 'Kalle' Metsanurga mahetalus (Koeru vald) (2020)

Terasaak 4,8 t/ha

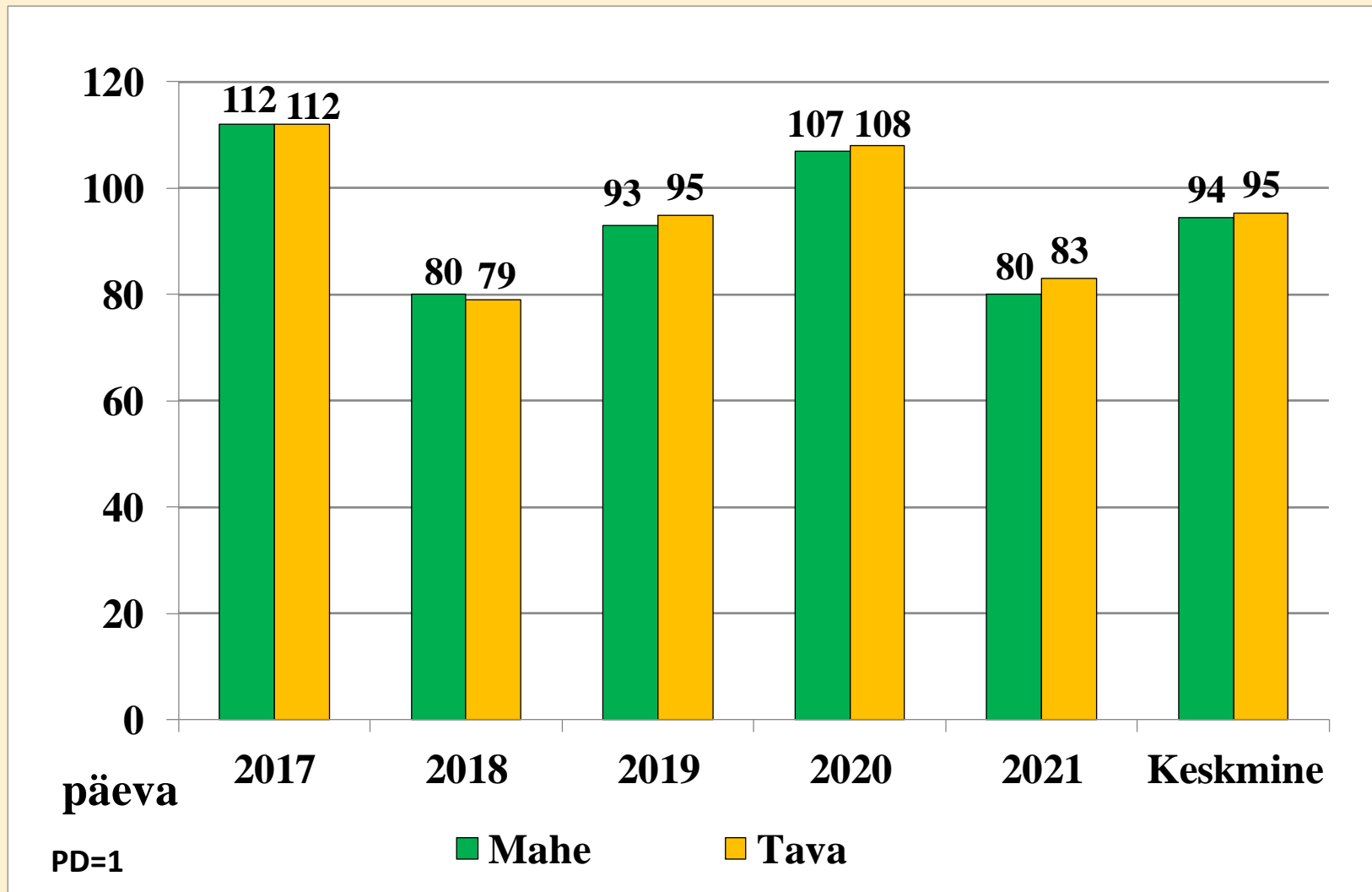


2020/7/15 11:24

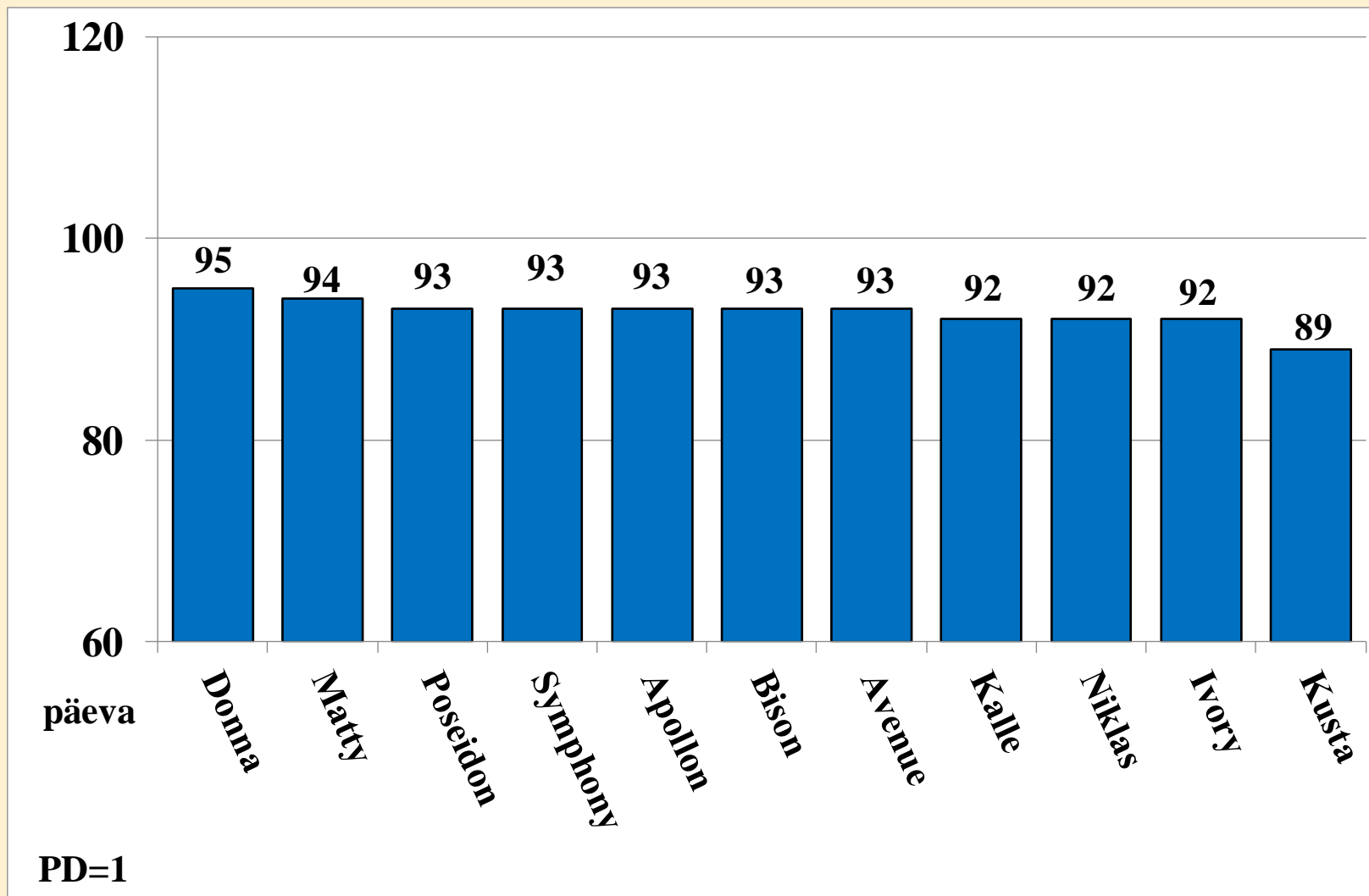
Kaer Kalle Metsanurga mahetalus (2020)

2020/7/15 12:05

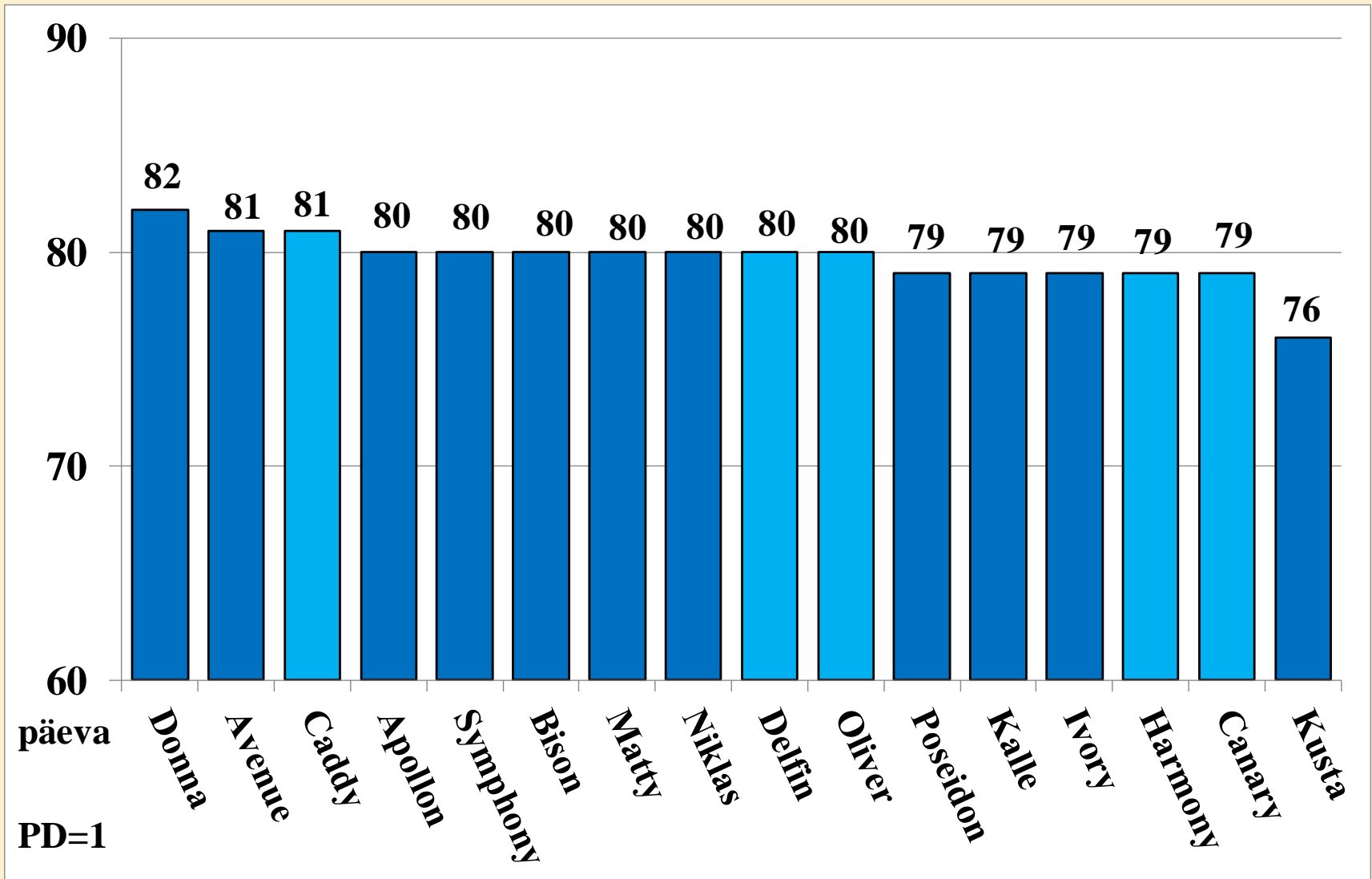
Kaera kasvuaeg Jõgeva mahe- ja tavakatsetes 2017-21.a



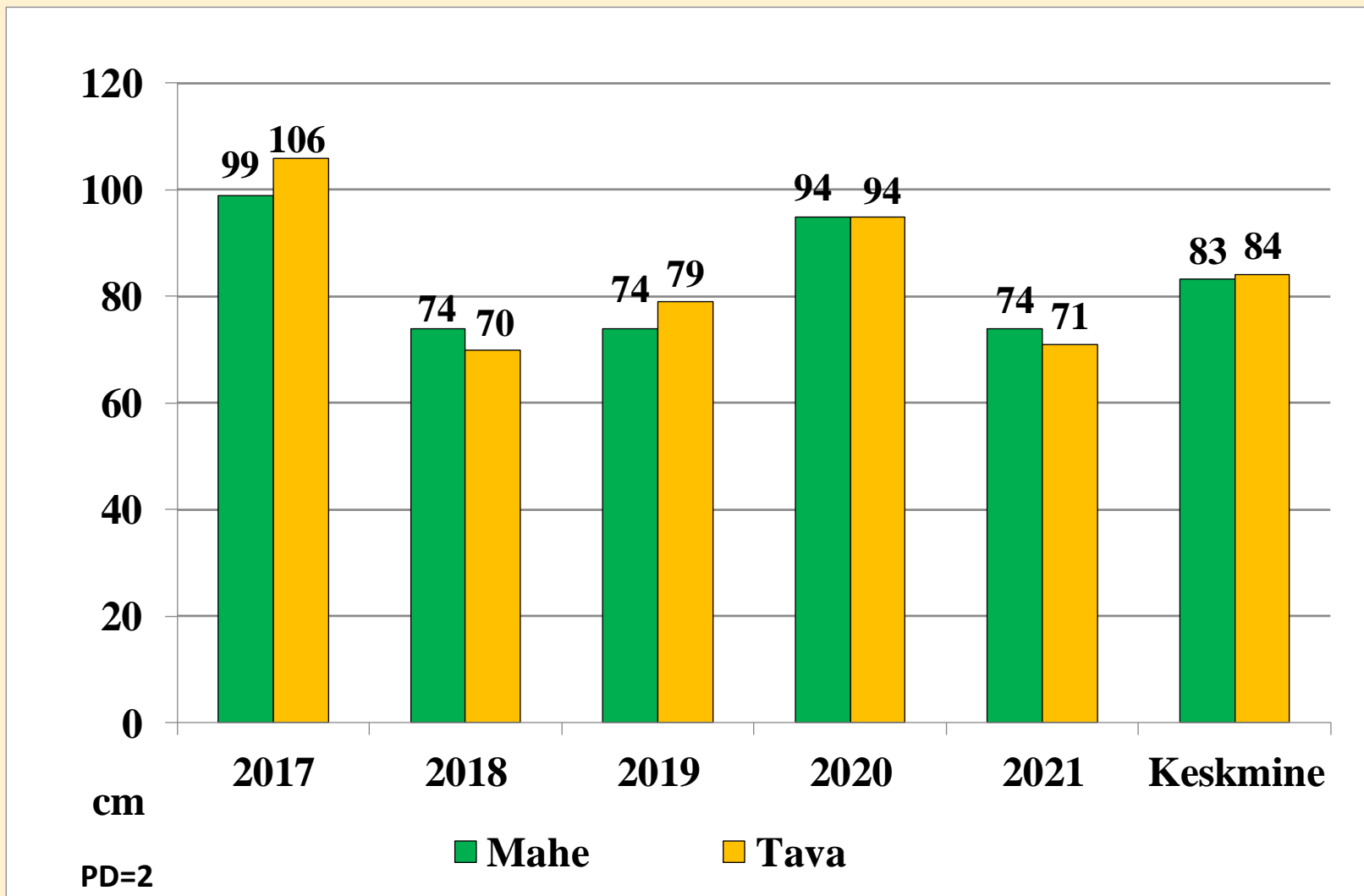
Kaera sortide kasvuajad mahekatses 2019-21.a



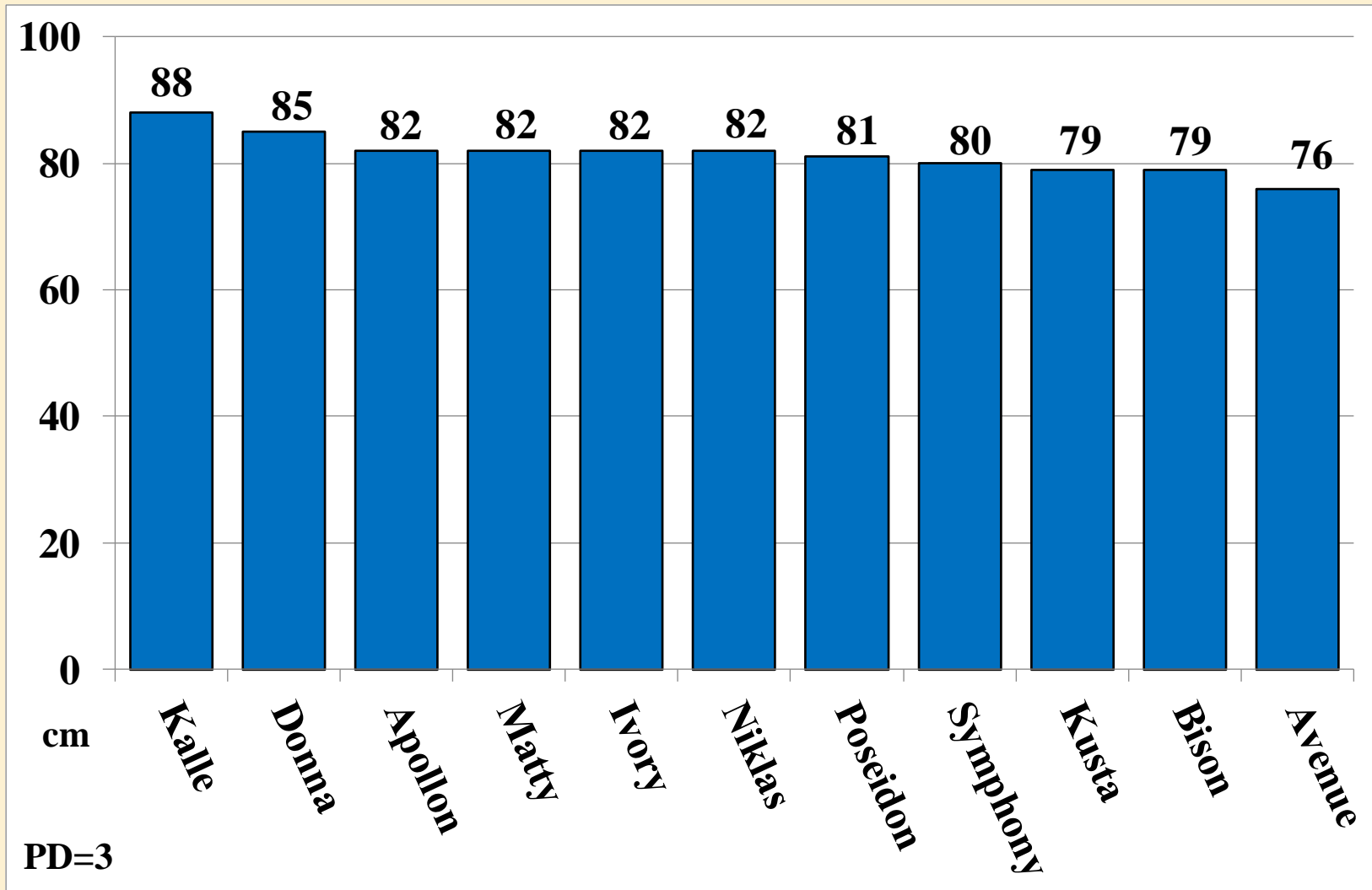
Kaera sortide kasvuajad mahekatses 2021.a



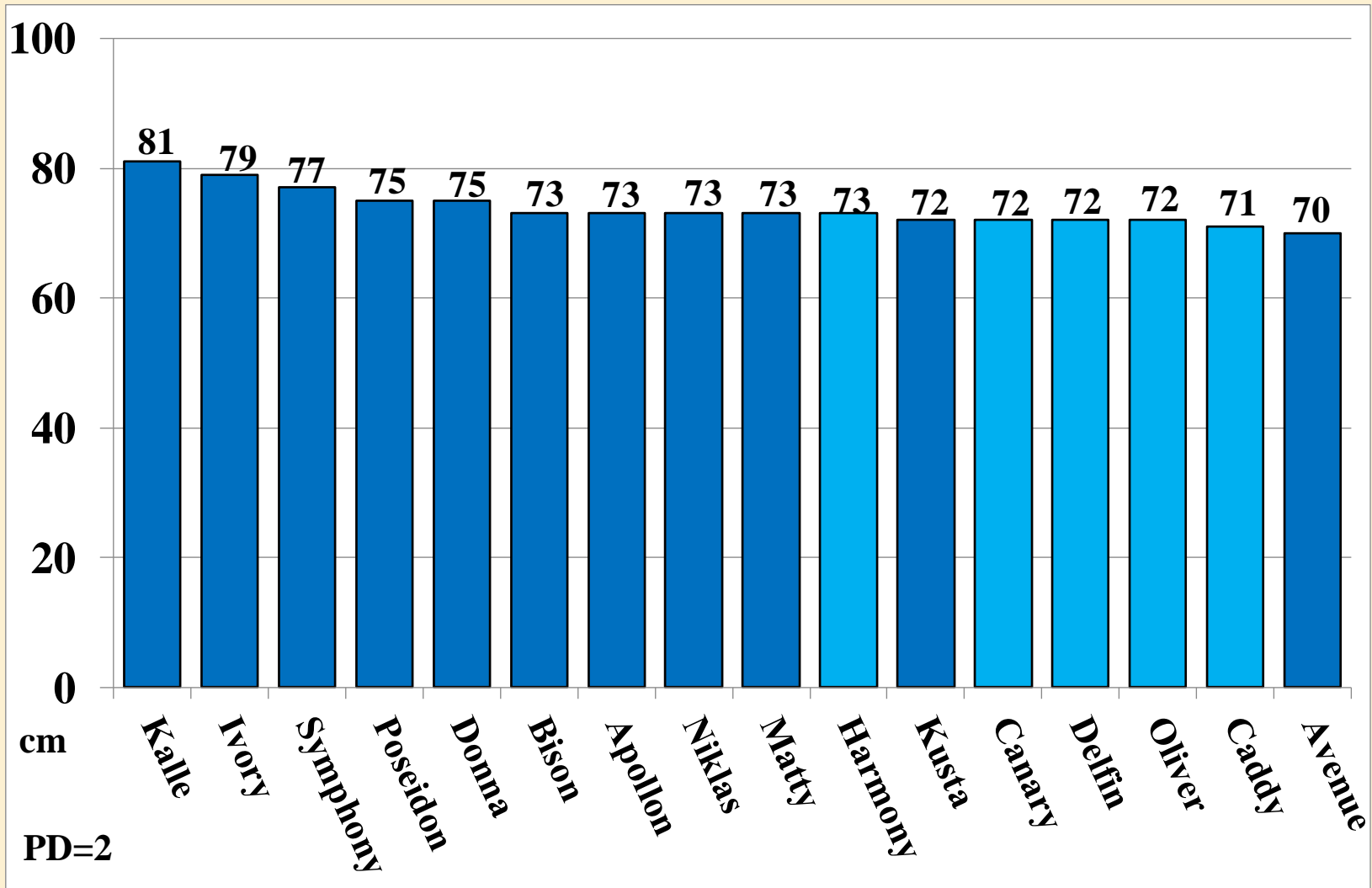
Kaera taime pikkused Jõgeva mahe- ja tavakatsetes 2017-21.a



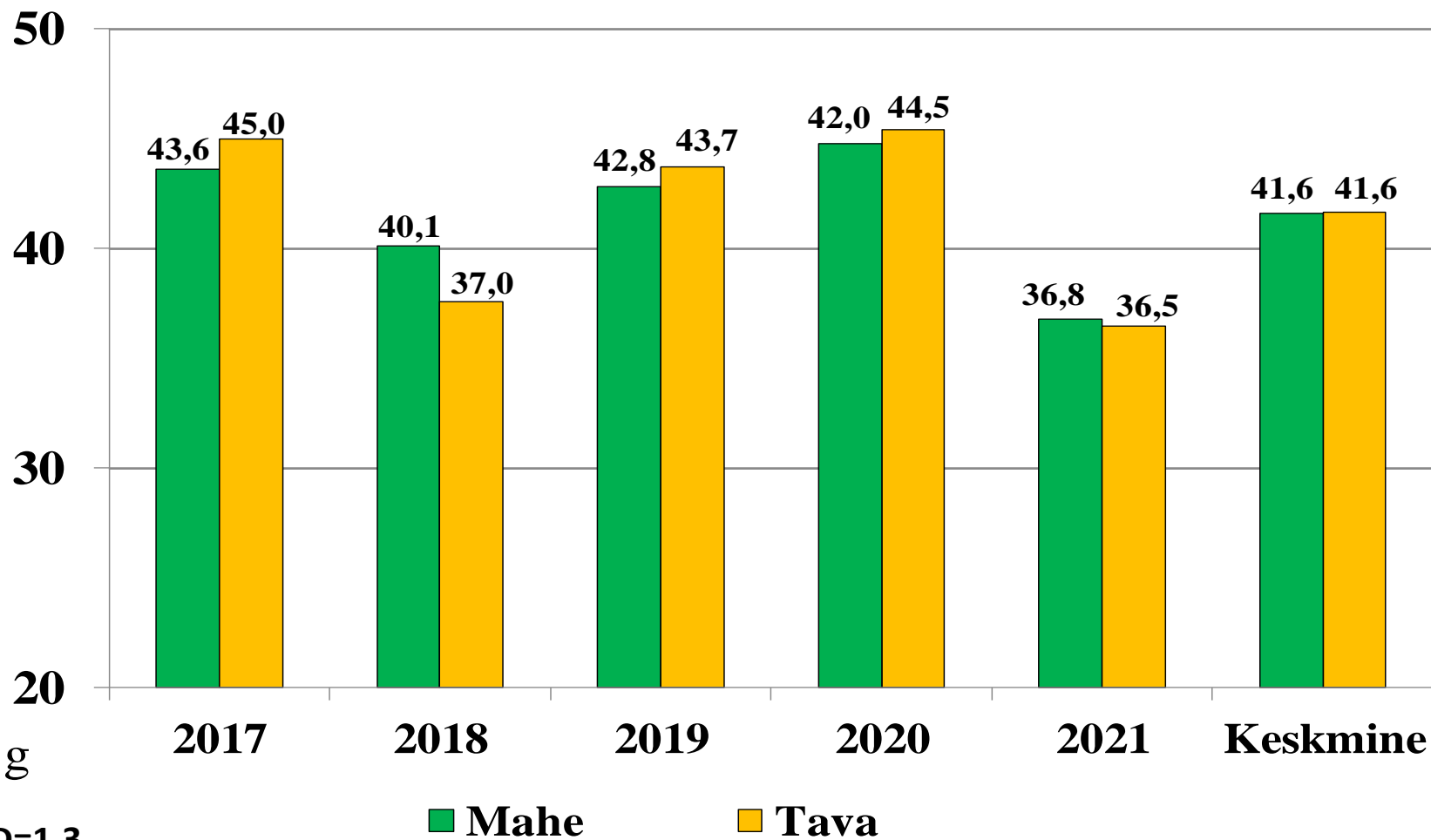
Kaera sortide taime pikkused mahekatses 2019-21.a



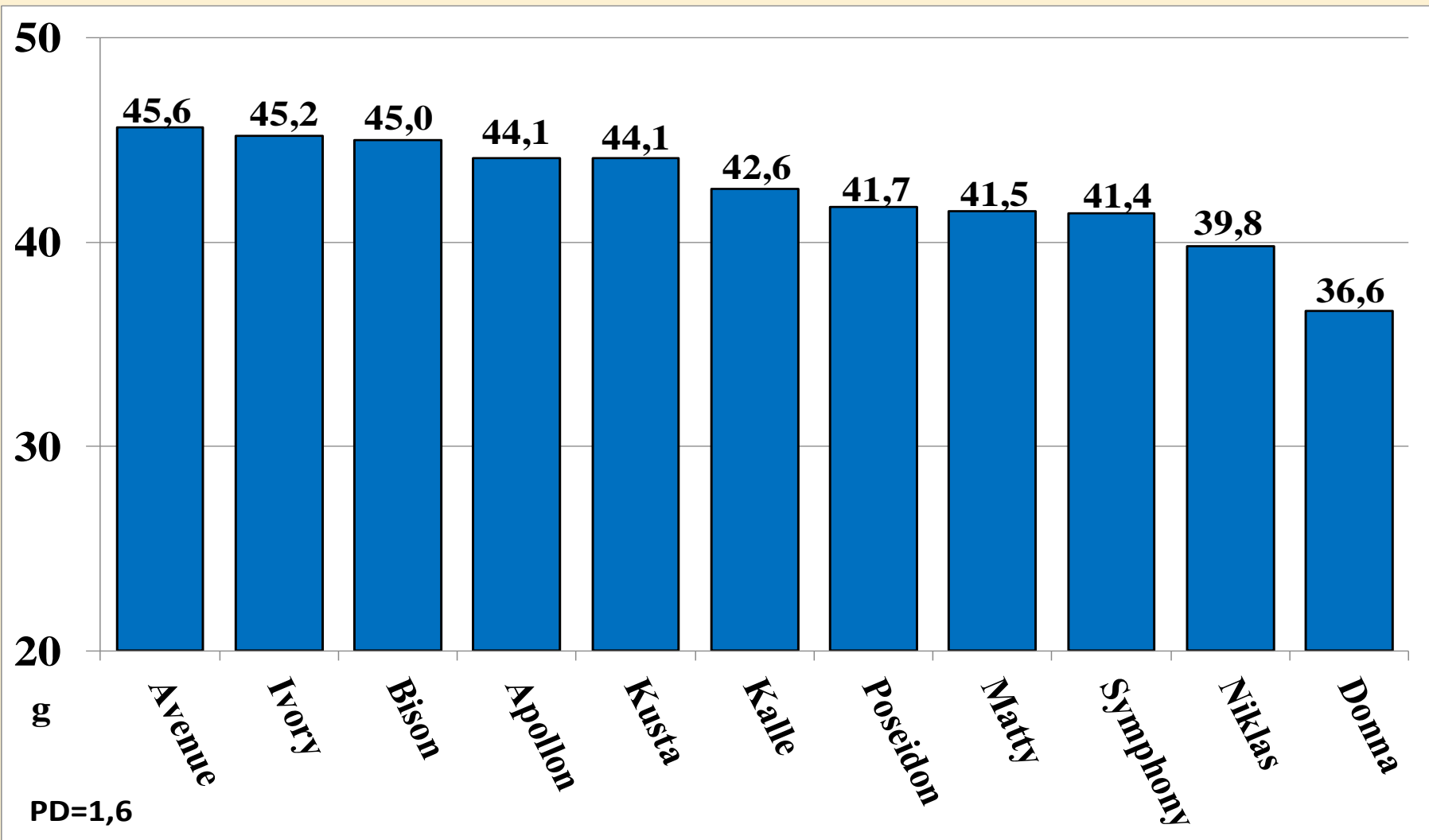
Kaera sortide taime pikkused mahekatses 2021.a



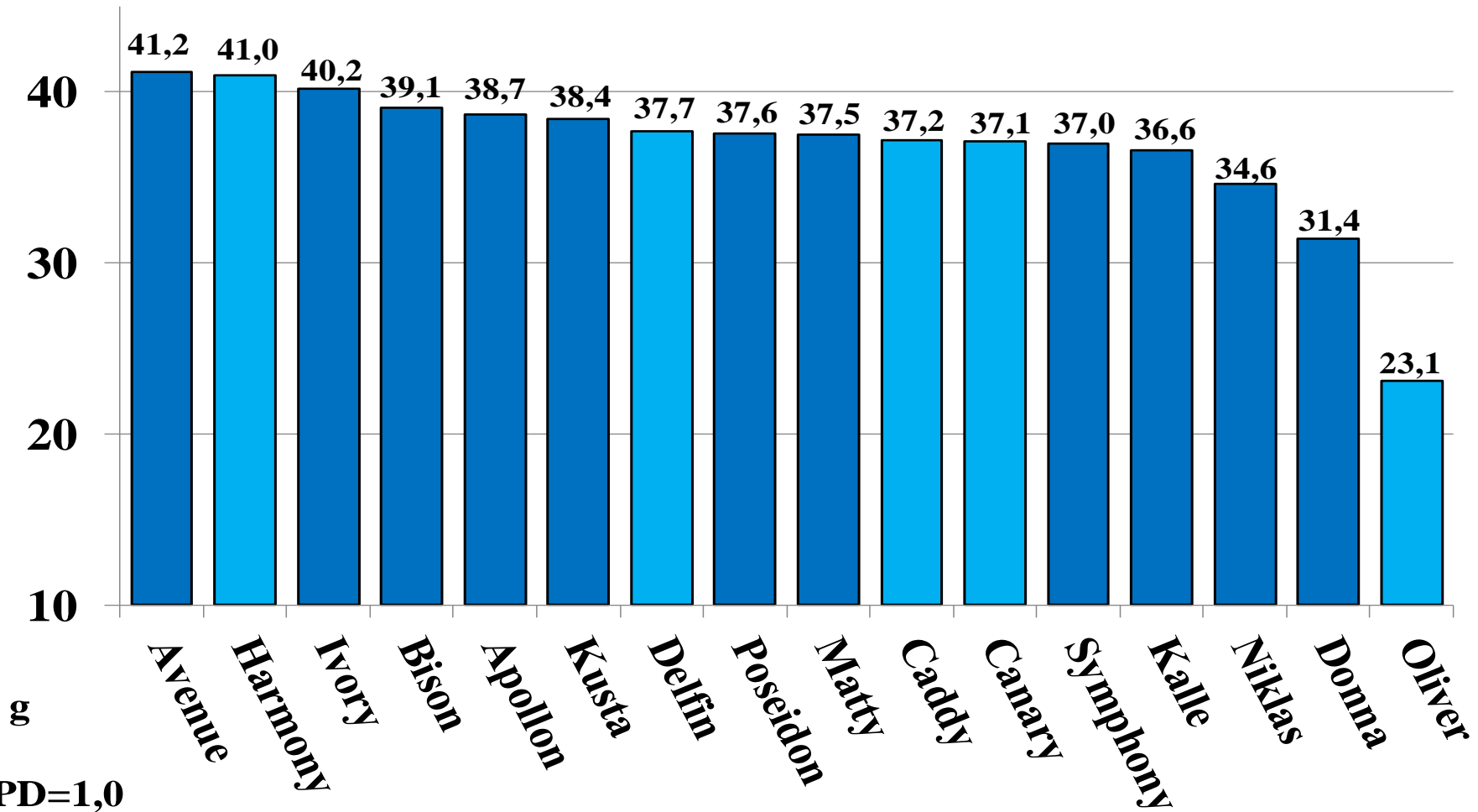
Kaera 1000 tera massid Jõgeva mahe- ja tavakatsetes 2017-21.a



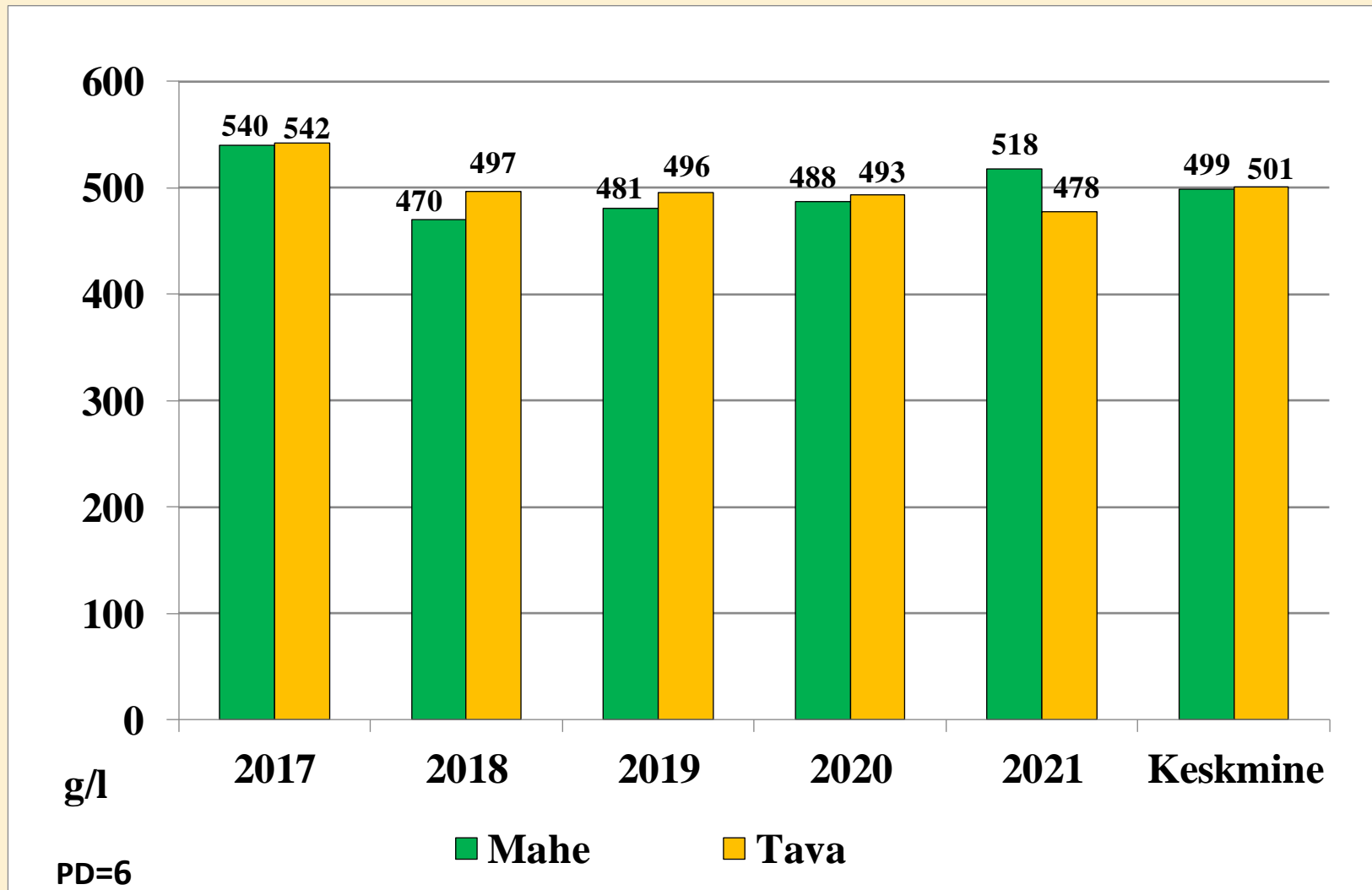
Kaera sortide 1000 tera massid mahekatses 2019-21.a keskmisena



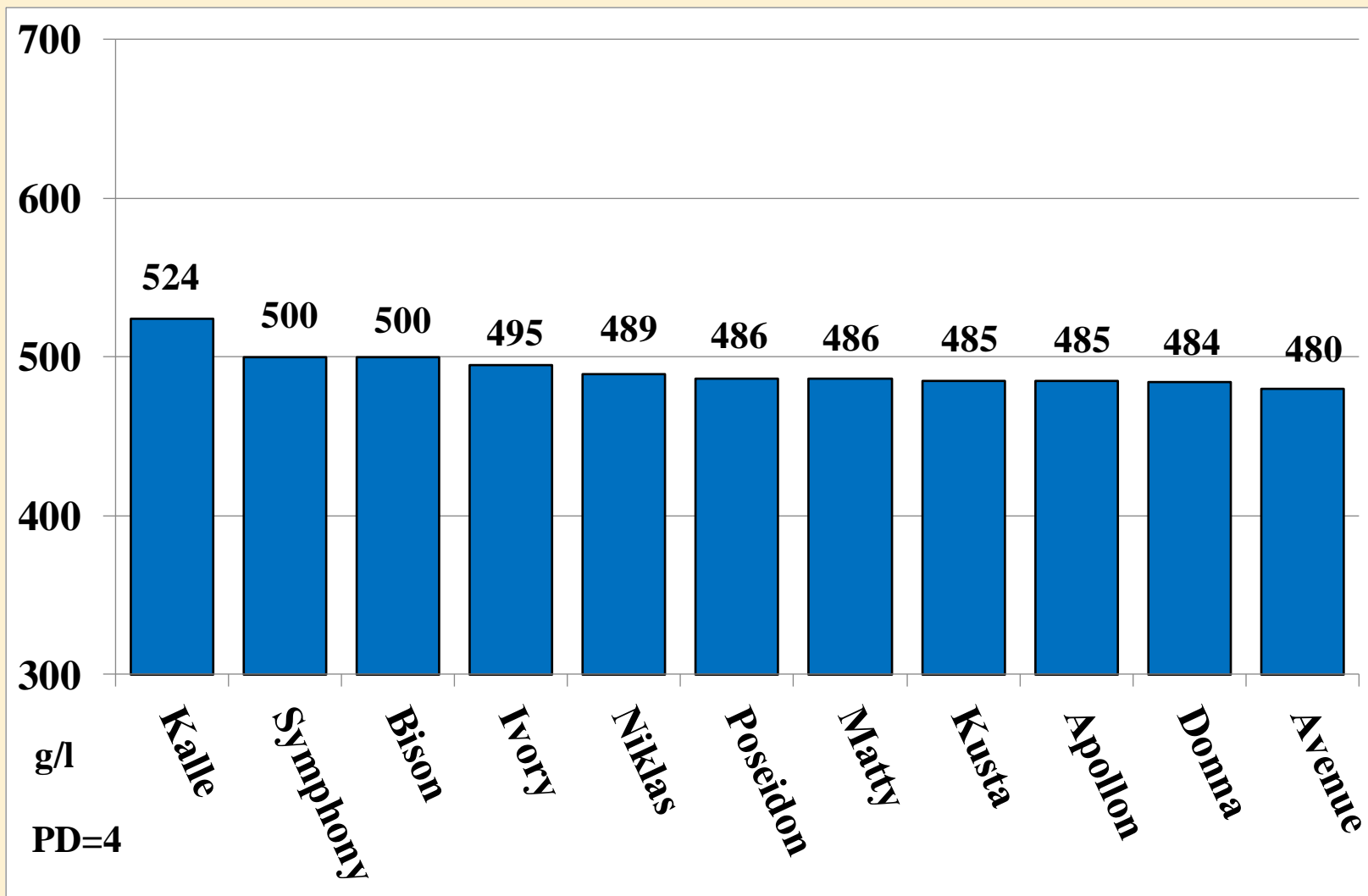
Kaera sortide 1000 tera massid mahekatses 2021.a



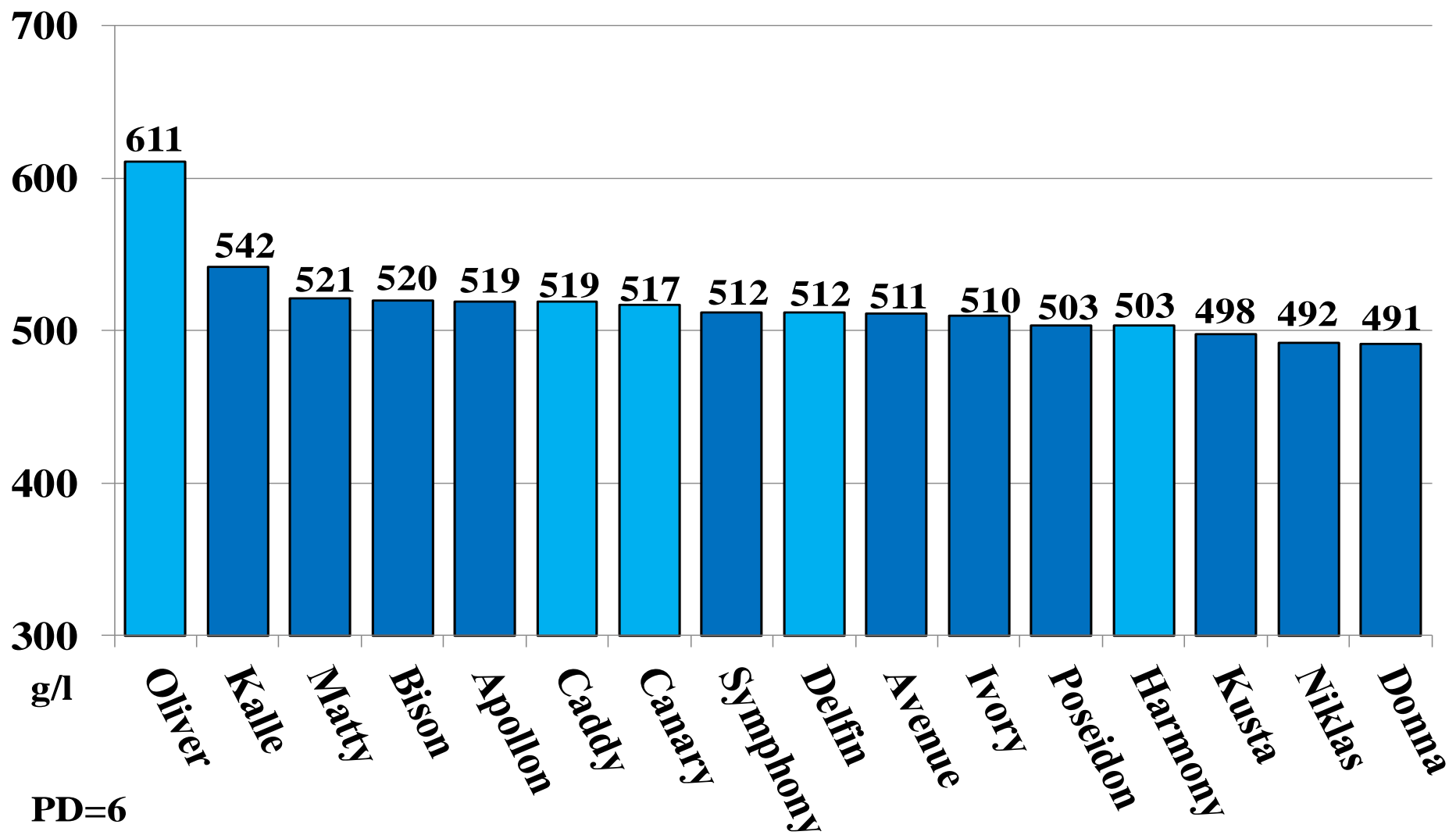
Kaera mahumassid Jõgeva mahe- ja tavakatsetes 2017-21.a



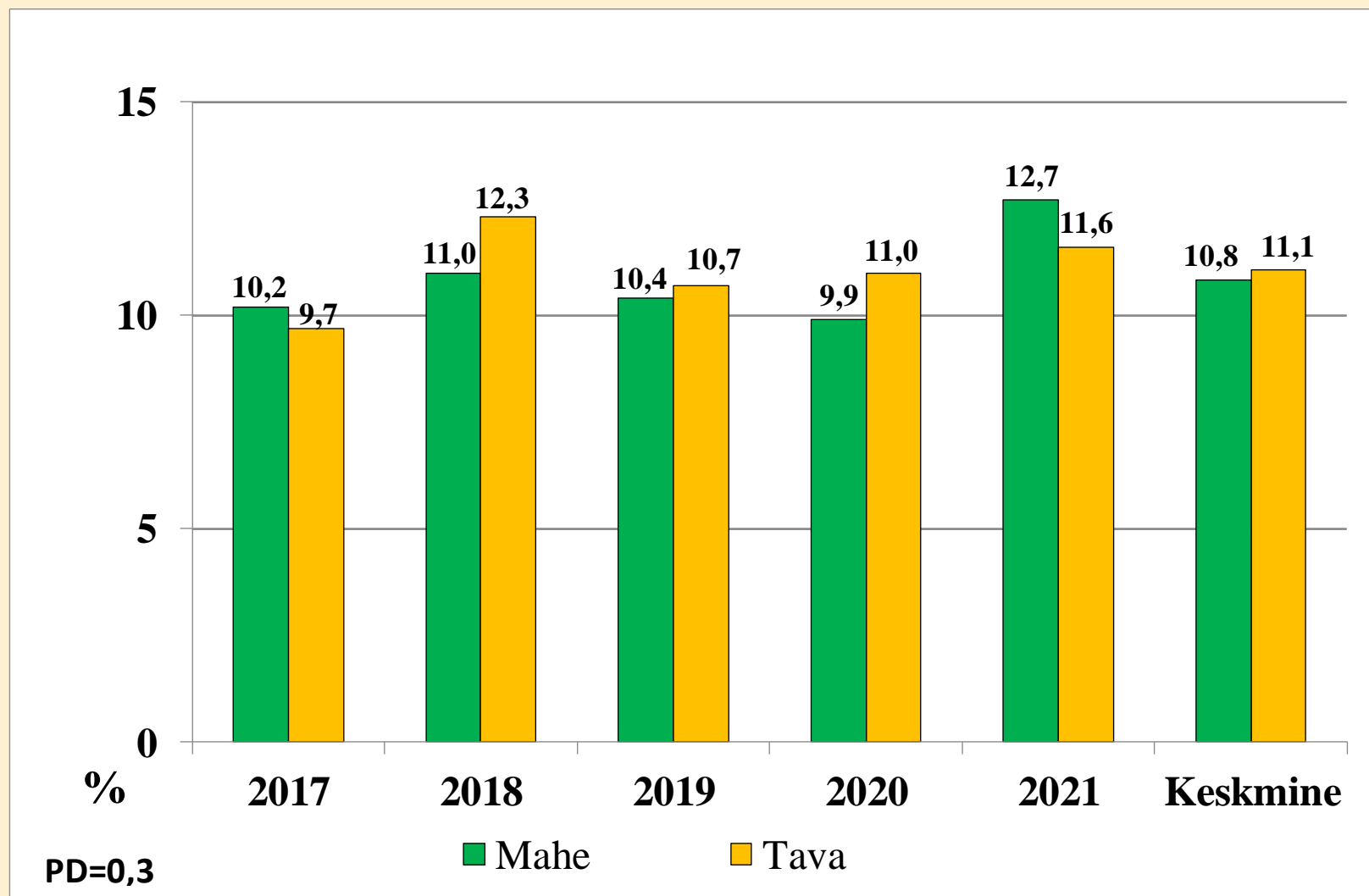
Kaera sortide mahumassid mahekatses 2019-21.a keskmisena



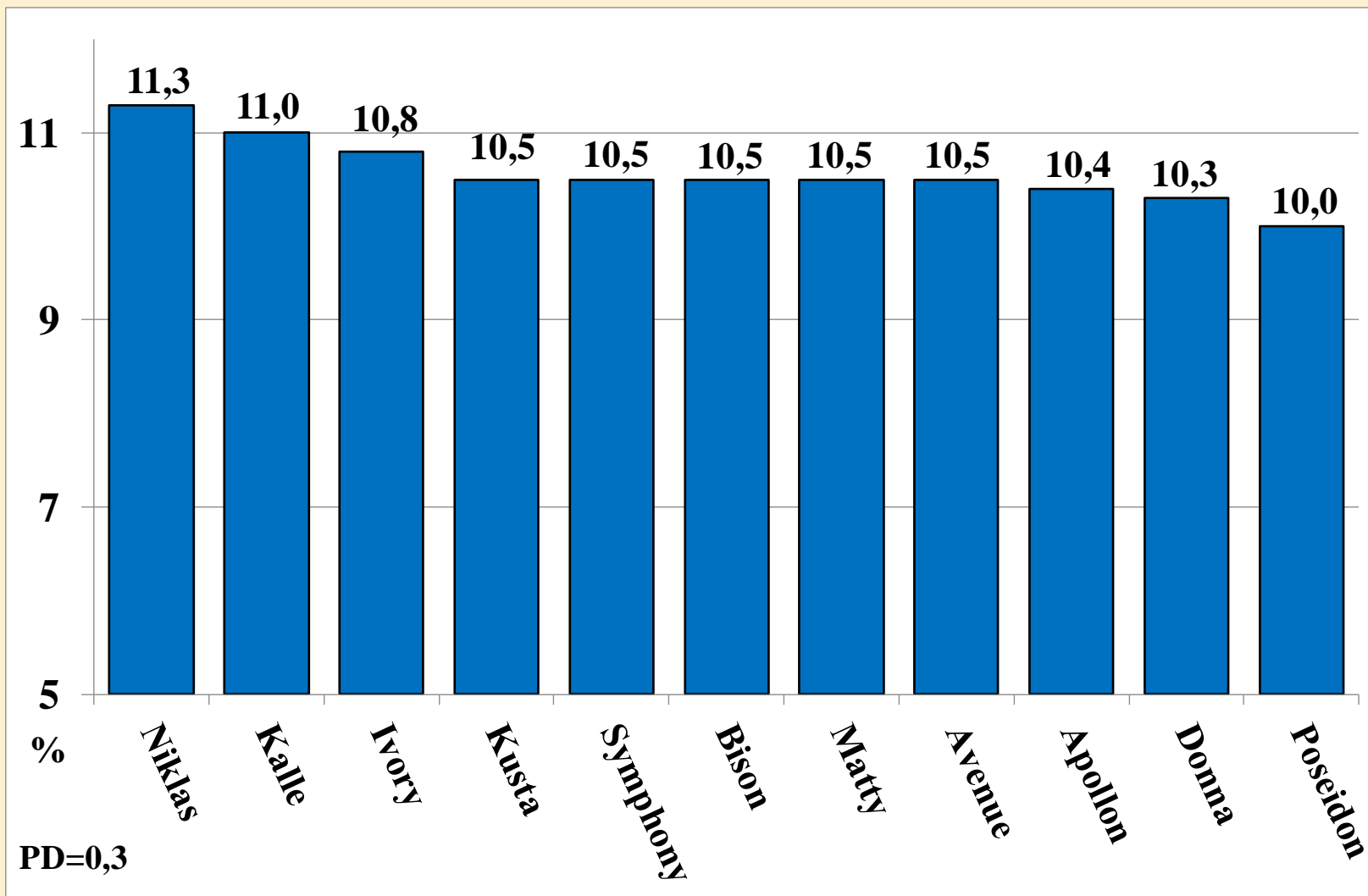
Kaera sortide mahumassid mahekatses 2021. aastal



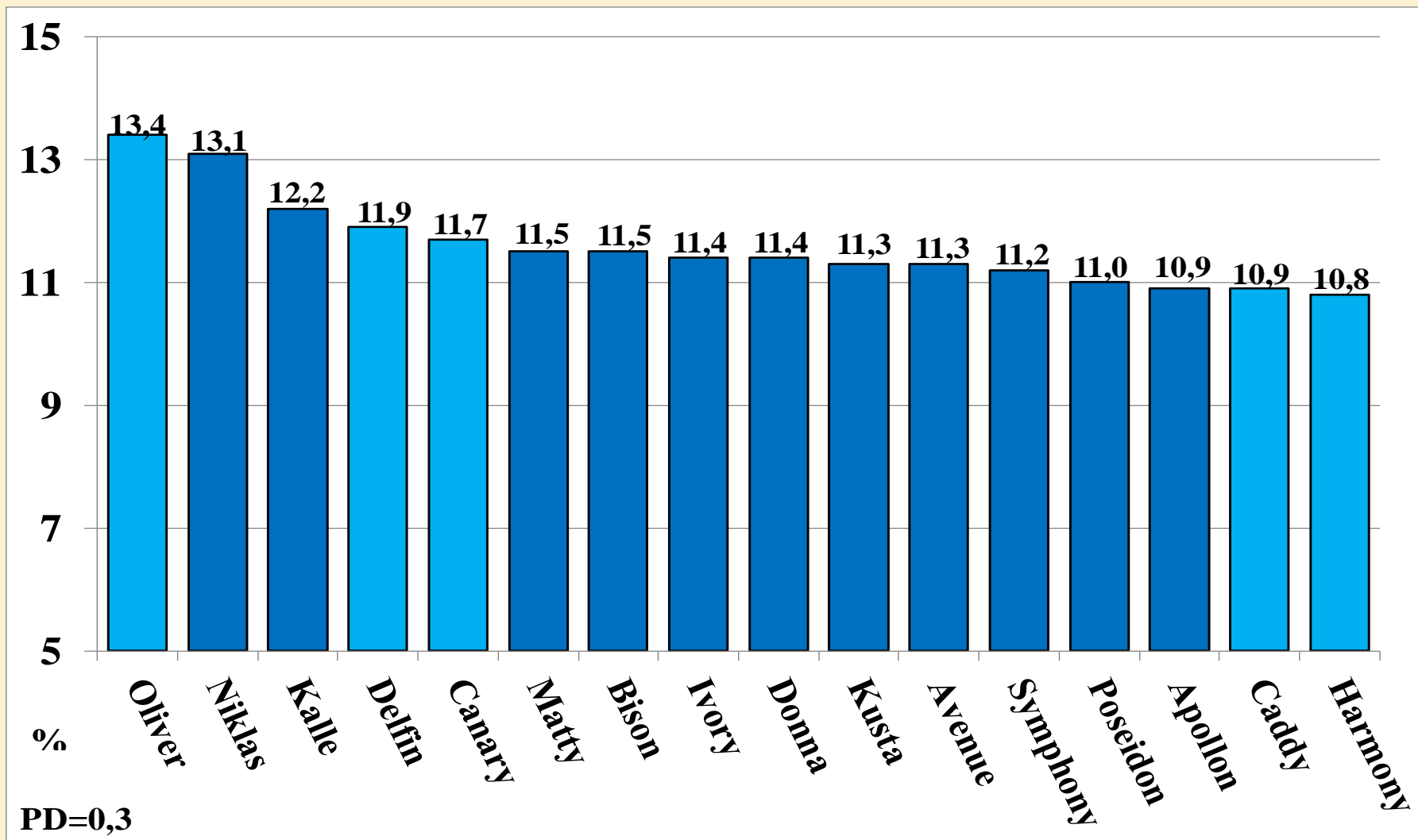
Kaera proteiini sisaldused Jõgeva mahe- ja tavakatsetes 2017-21.a



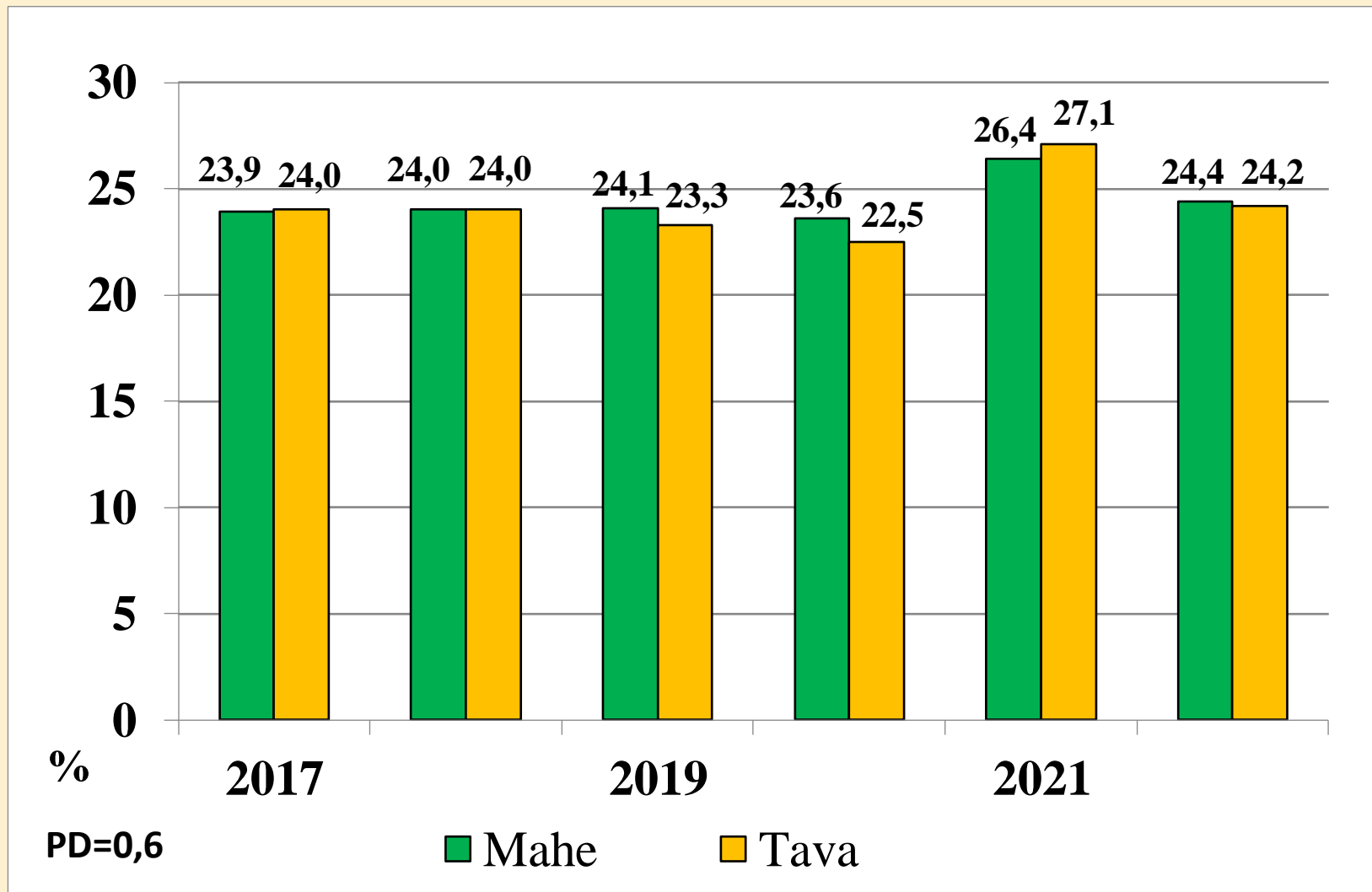
Kaera sortide proteiini sisaldused mahekatses 2019-21.a keskmisena



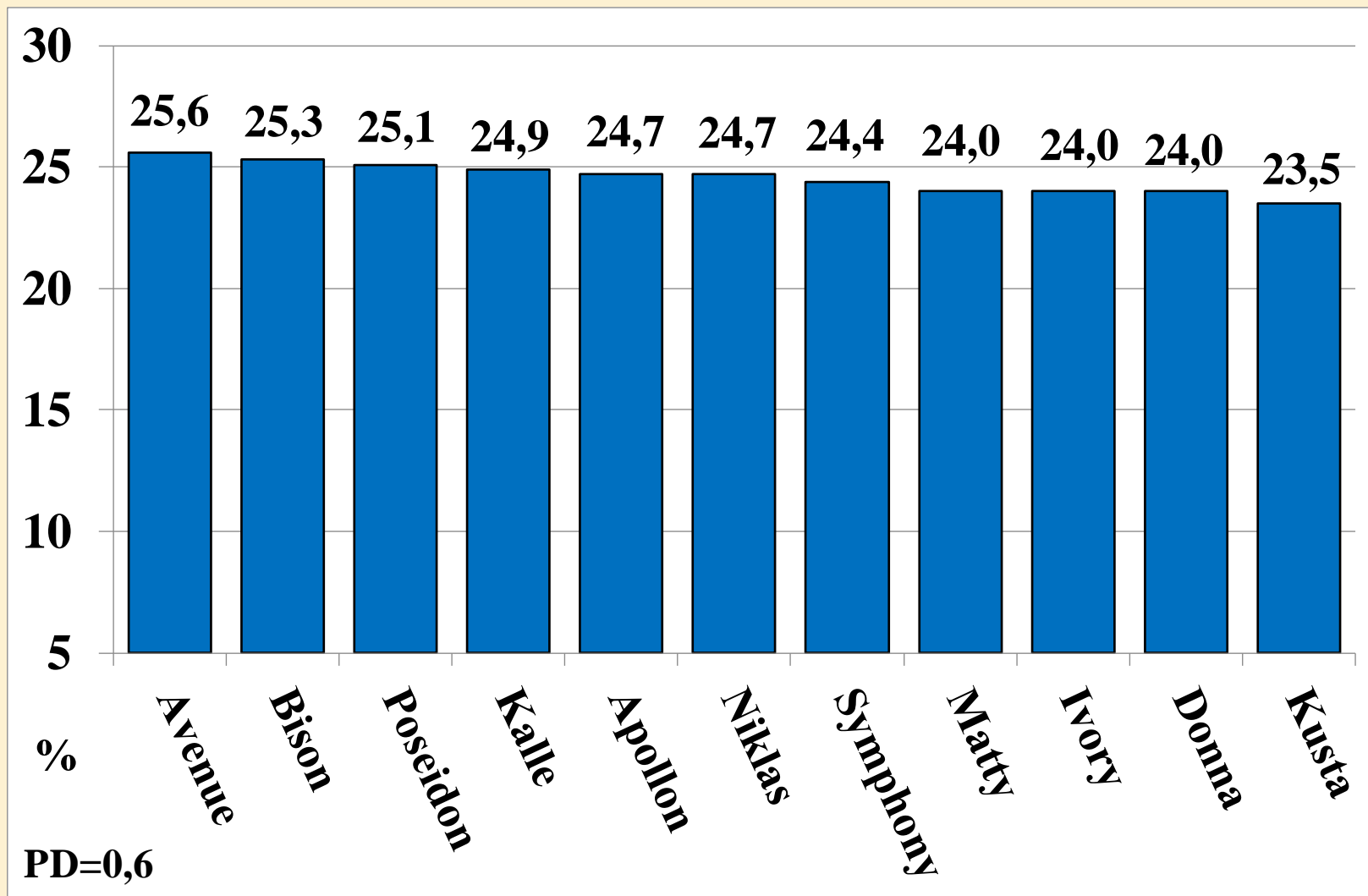
Kaera sortide proteiini sisaldused mahekatses 2021.a



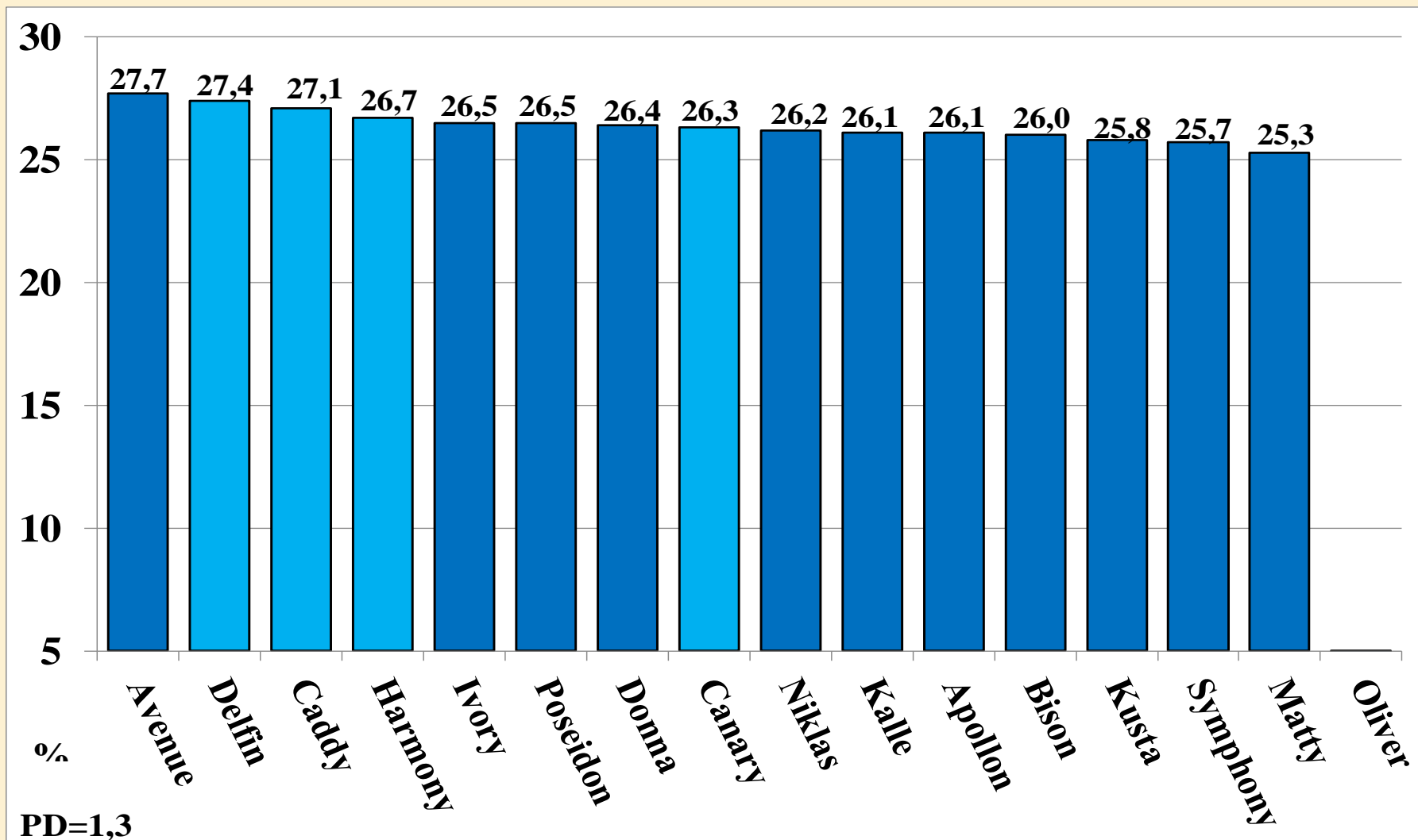
Kaera terade sõuklasused Jõgeva mahe- ja tavakatsetes 2017-21.a



Kaera sortide sõklasused mahekatses 2017-21.a keskmisena



Kaera sortide sõklasused mahekatses 2021.a



Kaera kroonrtooste

kõige levinum kaera haigus maailmas ja Eestis

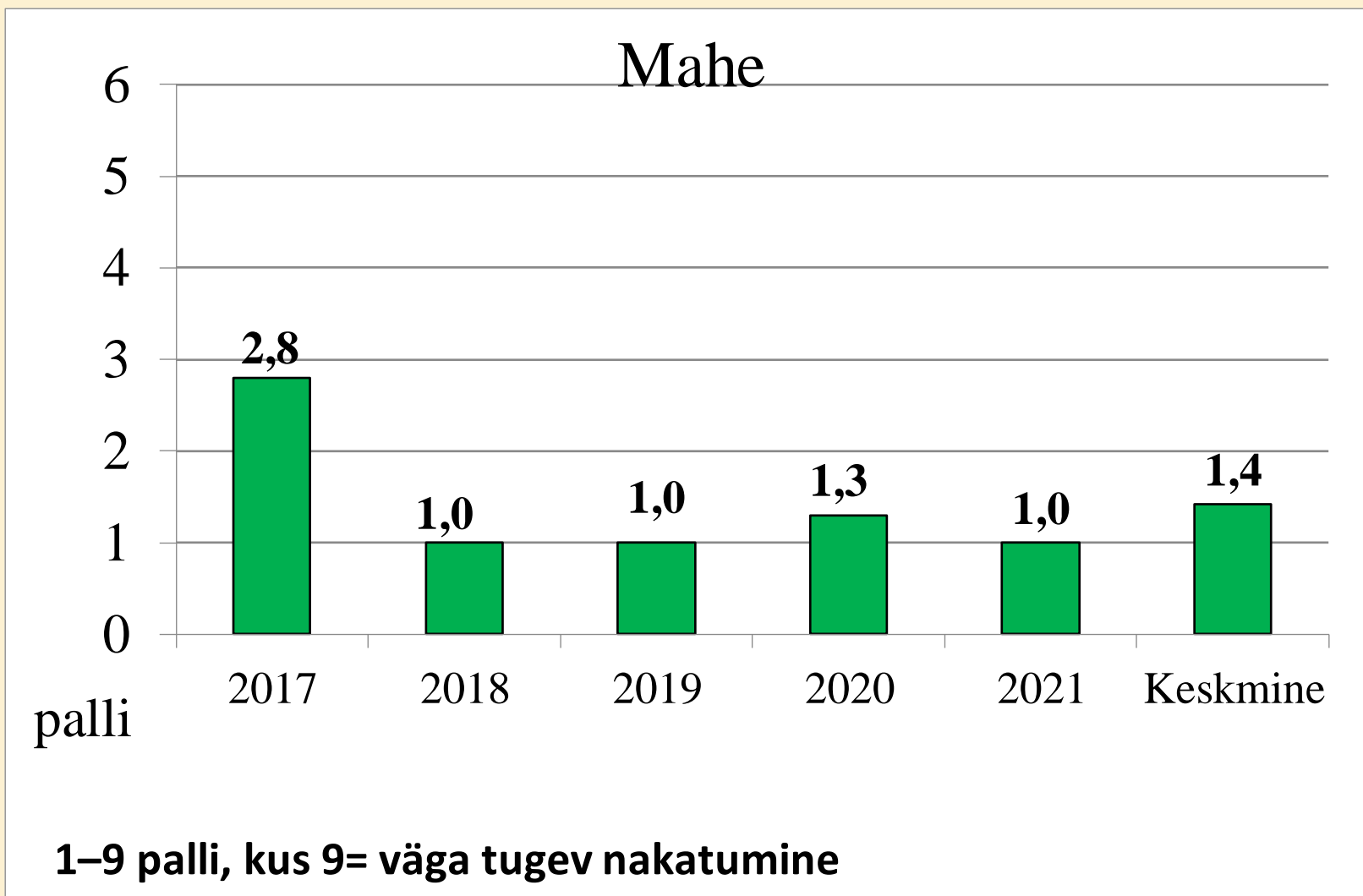
Levikuks vajalik vaba vee olemasolu ja kõrge õhutemperatuur



Haiguse mõjul väheneb saak ja mahumass, suureneb sõklasus

Vähene kuni keskmine nakatumine olulist mõju ei avalda.

Kaera nakatumine kroonroostesse Jõgeva mahekatsetes 2016-17.a



Kaera pruunlaiksus

Teisejärgulise tähtsusega.

Levikut soodustavad ebasoodsad tingimused idanemisel, soojad ilmad õitsemise ajal ja niiskuse olemasolu vahaküpsuse ajal.

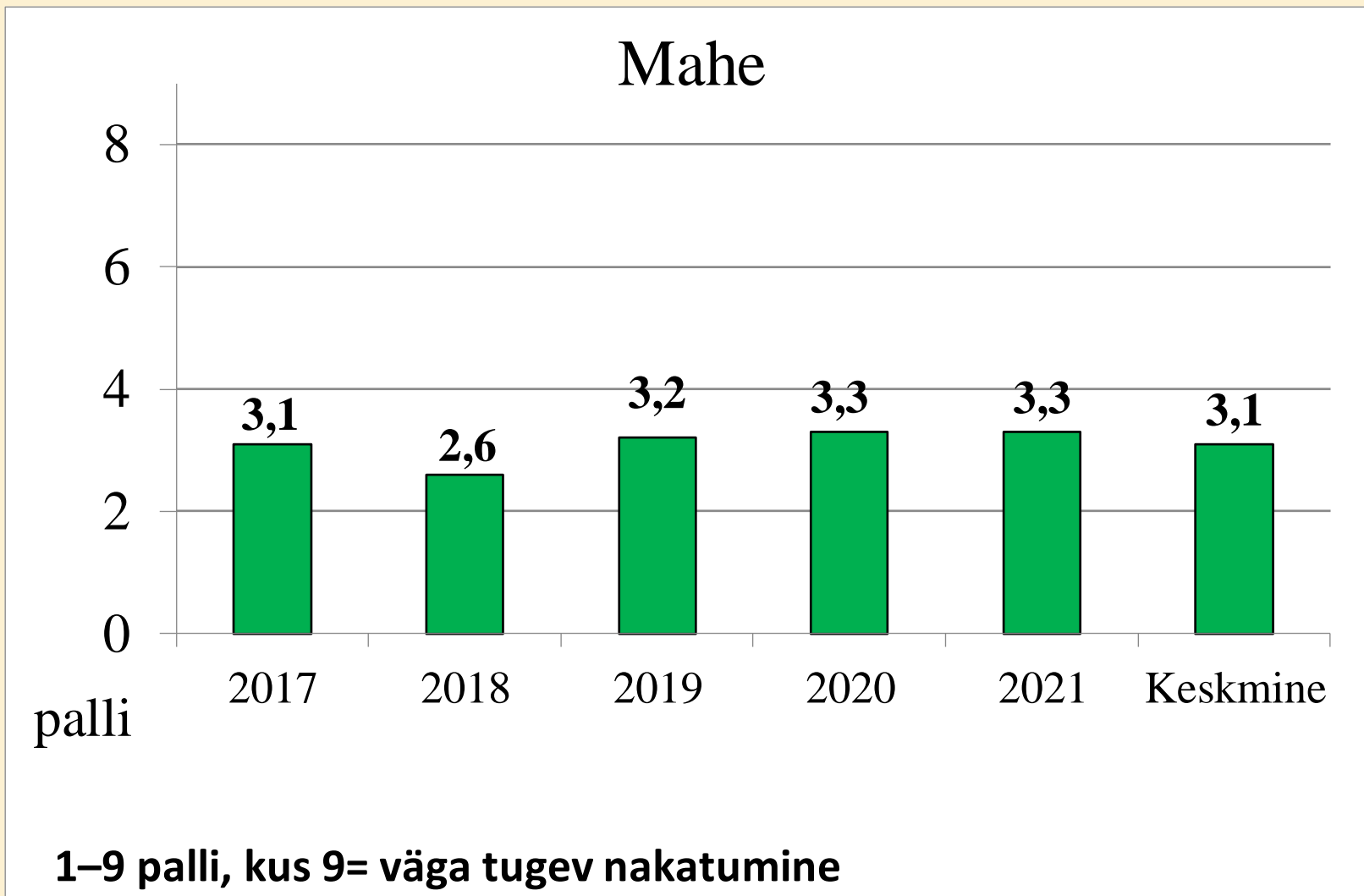
Võib põhjustada saagikadusid.

Nakatumine enamasti vähene v mõõdukas

Sortidevahelised erinevused väikese.



Kaera nakatumine kroonroostesse Jõgeva mahekatsetes 2016-17.a



Kokkuvõte

Ivory – hea saak, väga suur tera, keskmine mahumass

Kalle – hea saak, väga hea mahumass, suur tera, hea roostekindlus

Kusta - v hea saagivõime, suur tera, lühike kasvuaeg, keskmine mahumass

Kokkuvõte

Symphony – väge hea saak, keskmisest suurem tera, keskmine mahumass

Bison – hea saak, väga suur tera, keskmine mahumass

Oliver – paljasteraline kaer

Niklas – väga hea proteiinisaldus

A close-up photograph of a field of green oat plants. The plants are densely packed, showing their long, narrow leaves and developing seed heads. A bright yellow rectangular banner is superimposed over the upper portion of the image, containing the text 'Tänan !' in a bold, blue, sans-serif font.

Tänan !