

The division dedicated to plant protection, stimulation  
and nutrition

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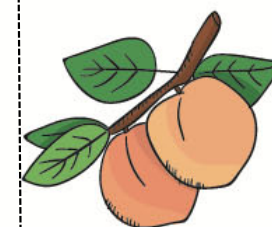
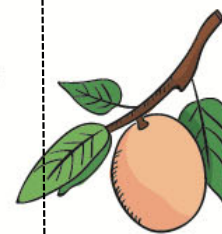
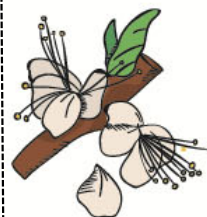
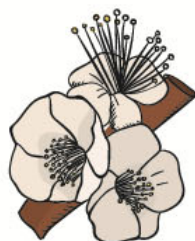
 **Smartfoil**<sup>®</sup>  
MF55

 **Moka**<sup>®</sup>  
5001

**Nuts**

**Almonds**  
**Pistachios**

 **Agrauxine**  
by Lesaffre



Bud initiation

Inflorescence

Flowering start

Full Flowering

Petal fall

Fruit Set

Changing color

Maturity

BBCH

40

50

60 - 64

65

66 - 69

71 - 79

81 - 85

85 - 89

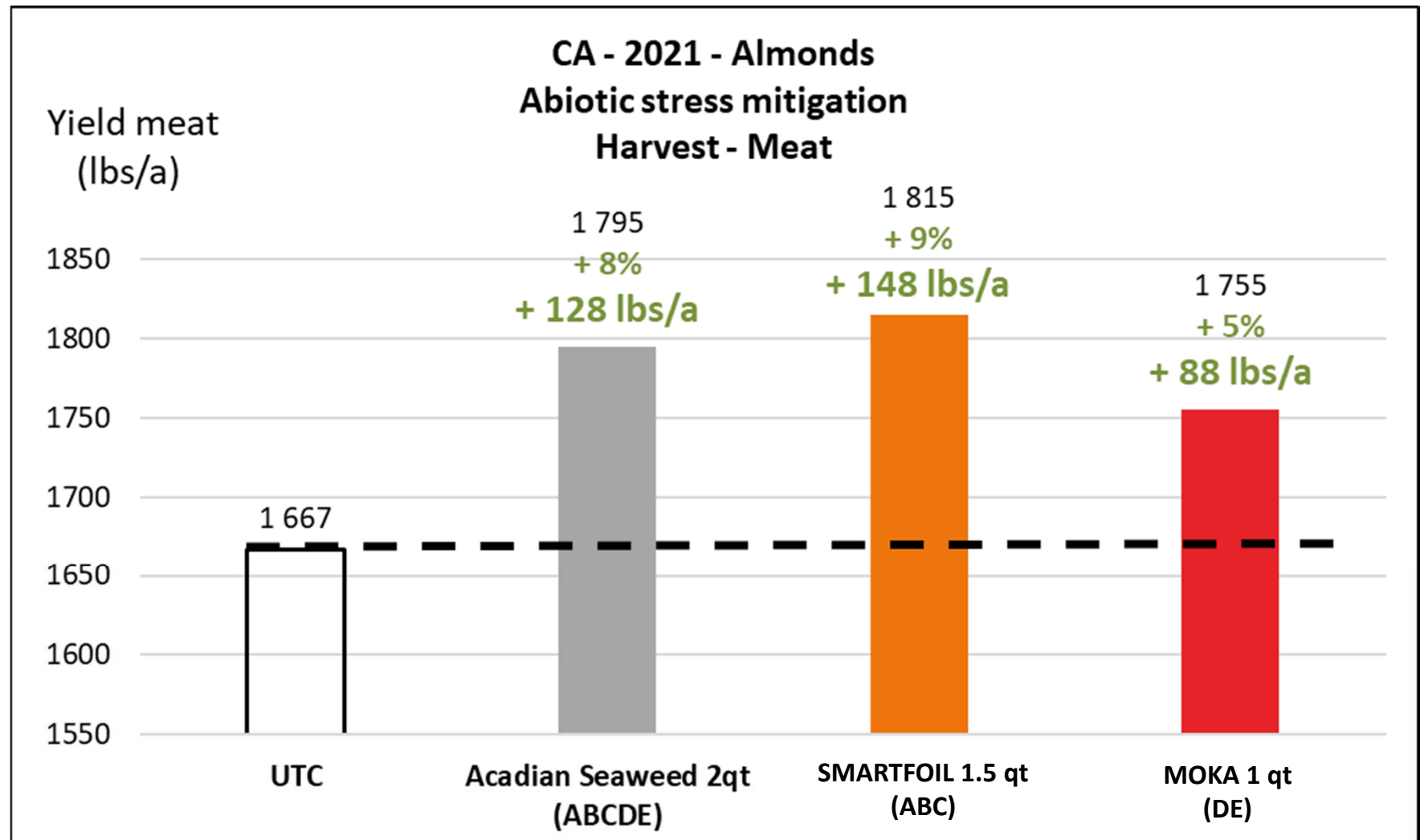
Moka

**1 qt/a**  
**2 applications (BBCH 71 - 87)**  
**Foliar**

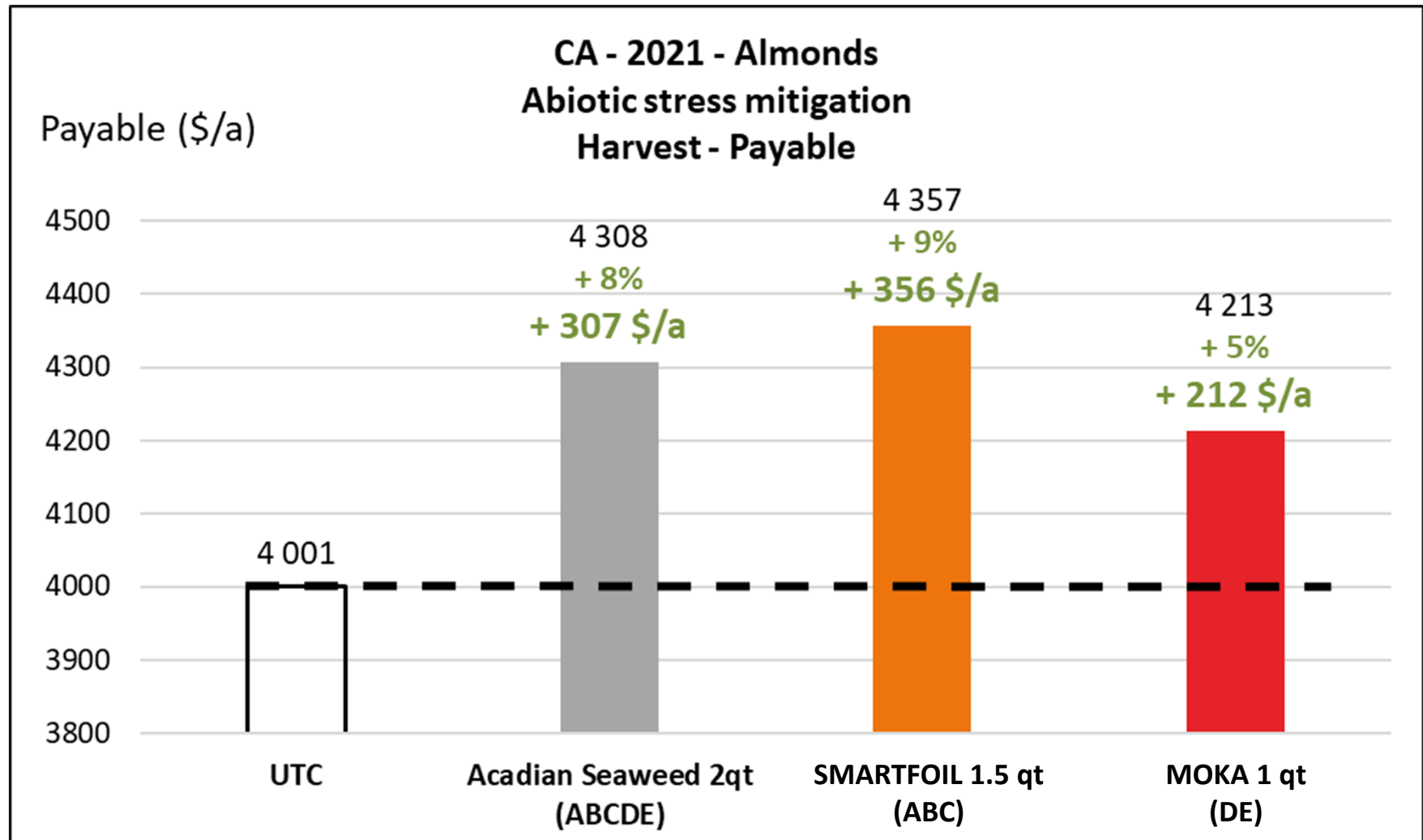
Treatments	Dose rate
UTC	-
Acadian Seaweed 2qt (ABCDE)	2 qt/a
SMARTFOIL 1.5 qt (ABC)	1,5 qt/a
MOKA 1 qt (DE)	1 qt/a

Trial information - Application					
Step	Conditions				Date
	Material	Vol. water	T°	Stage	
<i>Planting</i>					<i>30/06/1905</i>
Application A	MISTBLOWER -	100 GPA	55-58F	Pink bud	23/02/2021
Application B			55-58F	Full bloom	03/03/2021
Application C			55-58F	Patal fall	18/03/2021
Application D			72-75F	Veraison	02/04/2021
Application E	Spray (Atomizer)		72-75F	Versaison + 14 days	04/05/20215
<i>Harvest</i>					<i>05/08/2021</i>

6 replicates  
Variety : Nonpareil



**+ 148 lbs/a** yield increase with **Smartfoil**  
**+ 88 lbs/a** yield increase with **Moka**

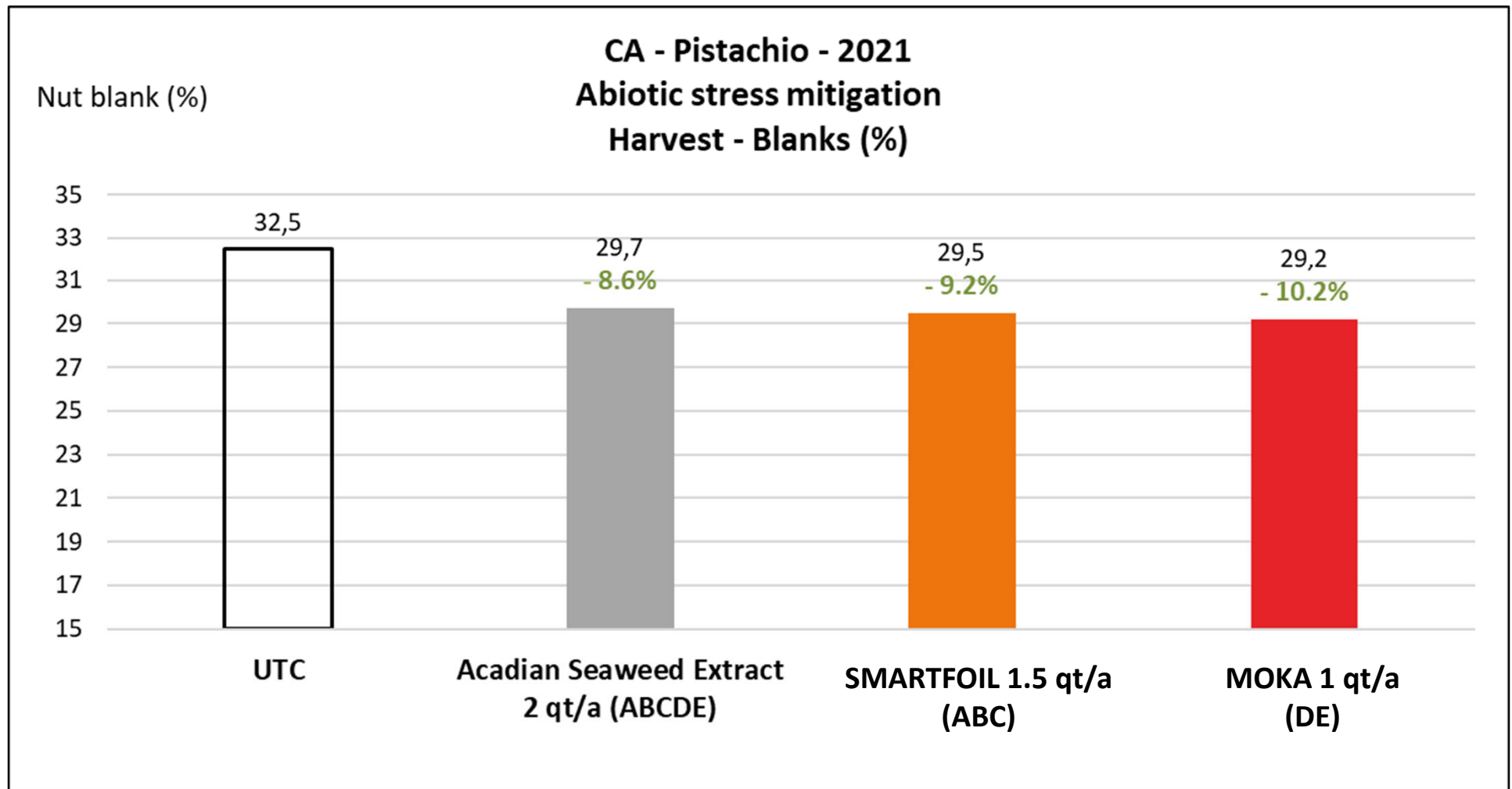


+ 356 \$/a with **Smartfoil**  
+ 212 \$/a with **Moka**

Treatments	Dose rate
UTC	-
Acadian Seaweed Extract 2 qt/a (ABCDE)	2 qt/a
SMARTFOIL 1.5 qt/a (ABC)	1,5 qt/a
MOKA 1 qt/a (DE)	1 qt/a

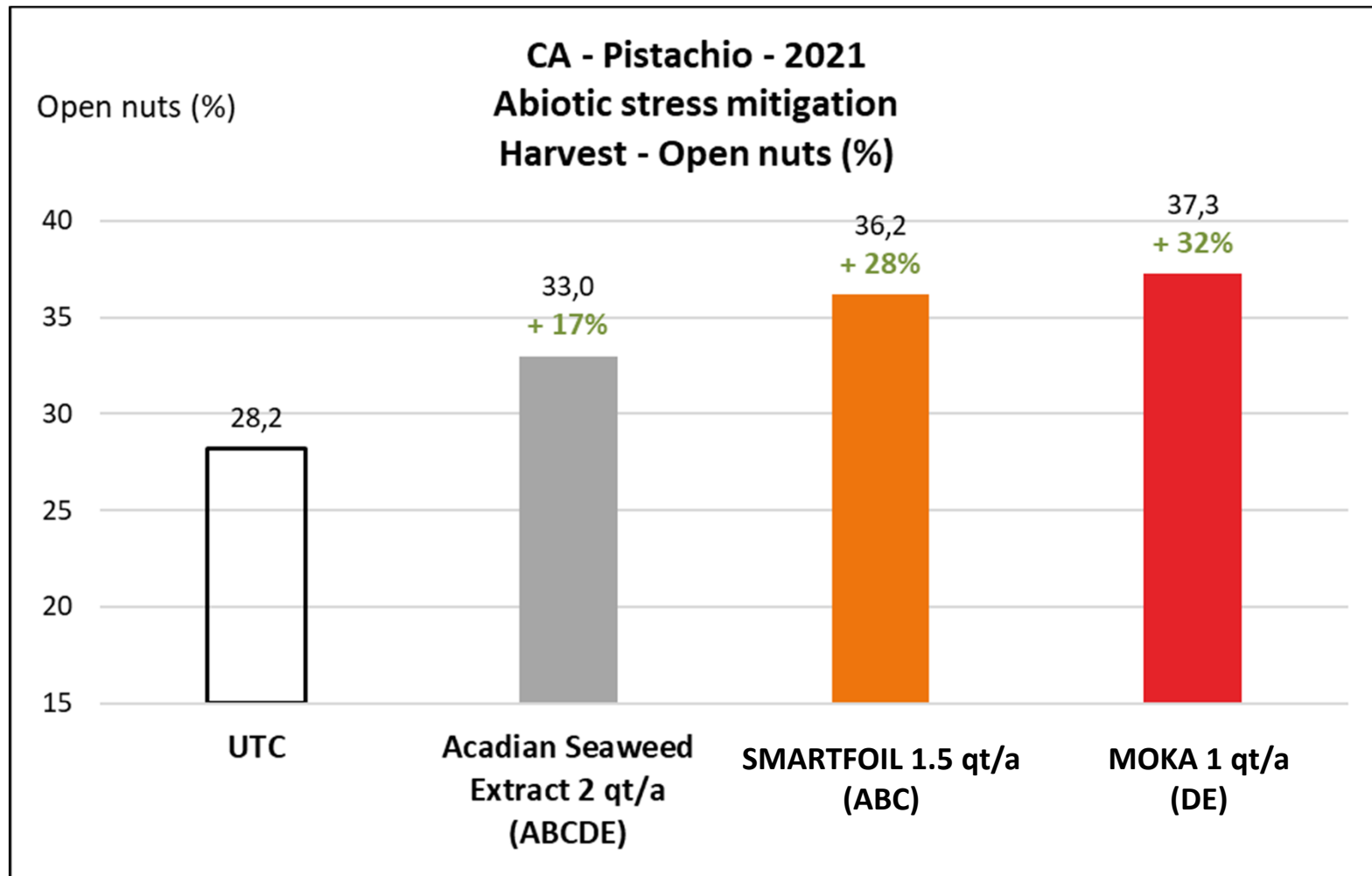
Trial information - Application					
Step	Conditions				Date
	Material	Vol. water	T°	Stage	
<b>Planting</b>					<b>2001</b>
Application A	MISTBLOWER	100	70F	Early Bloom	14/04/2021
Application B			73F	Petal fall	04/05/2021
Application C			75F	Fruit set	19/05/2021
Application D			75F	Nut fill	11/06/2021
Application E		GAL/AC	80F	Nut fill	28/06/2021
<b>Harvest</b>					<b>06/09/2021</b>

6 replicates  
Variety : Kerman



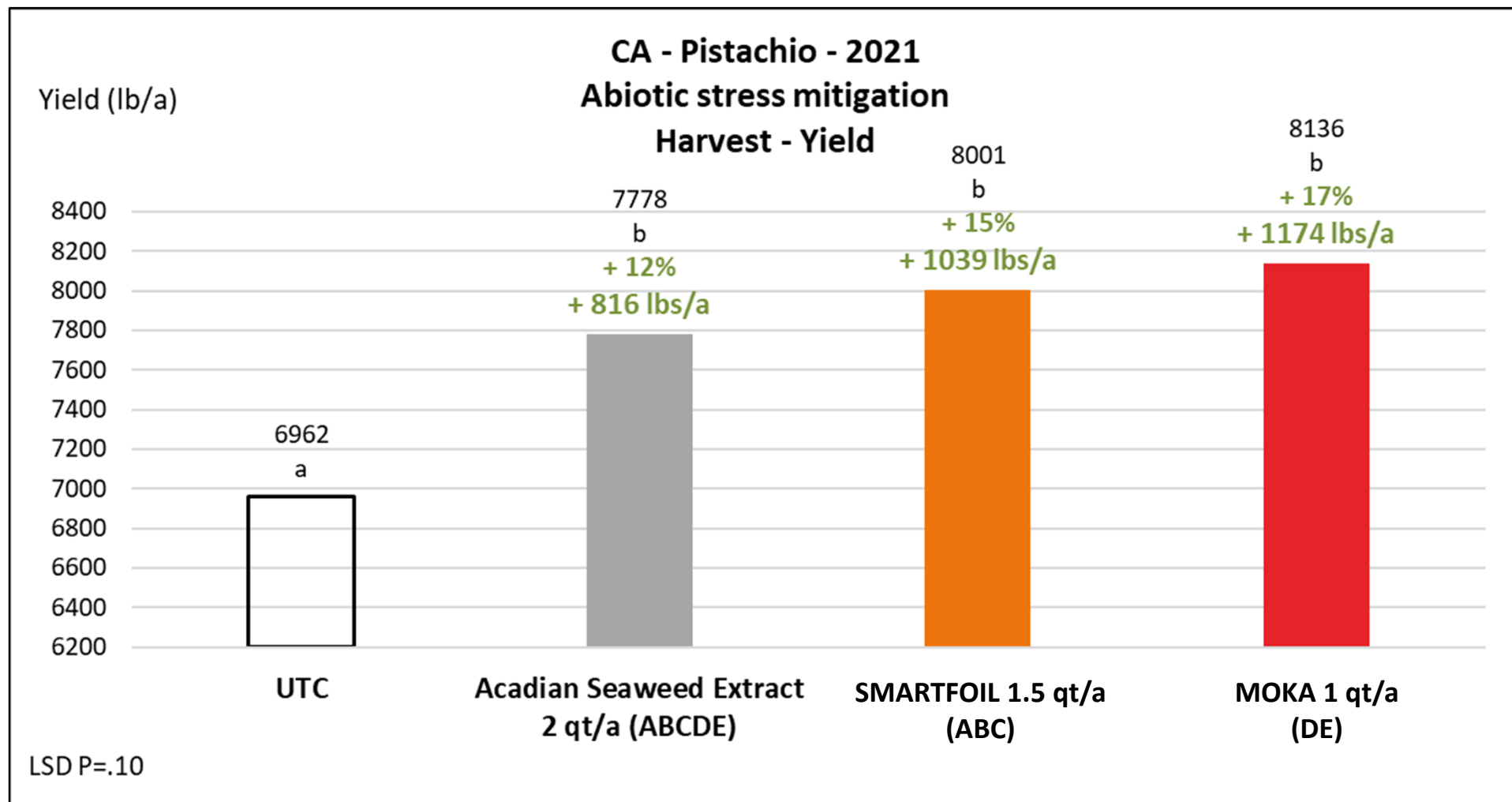
- 9.2% blanks with **Smartfoil**  
- 10.2% blanks with **Moka**



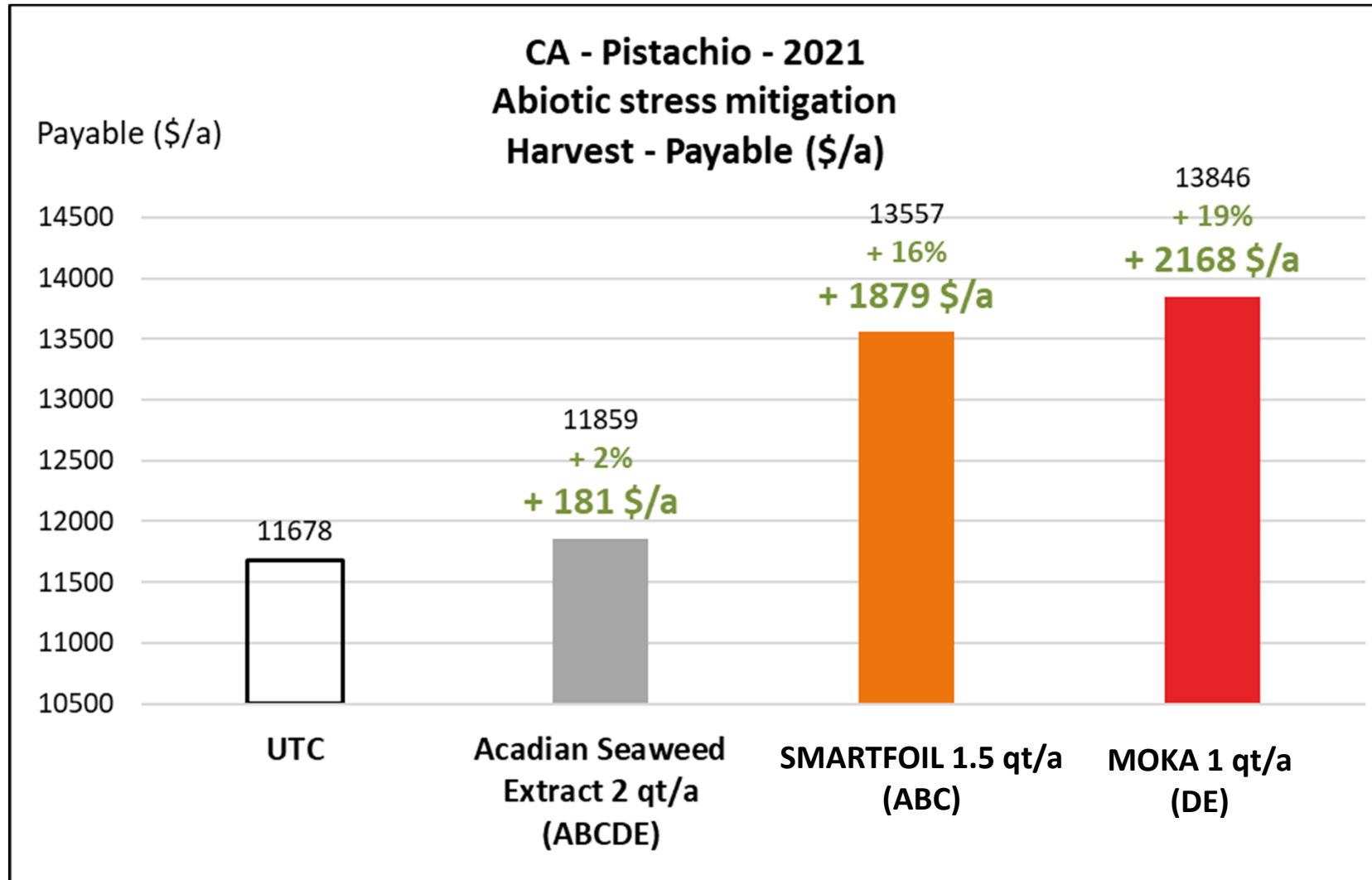


+ 28% open with **Smartfoil**  
+ 32% open with **Moka**

"Pistachios either open slightly or closed off completely. The ones that are open are preferred because they are easy for consumer to crack and eat."



**+ 1039 lbs/a** yield increase with **Smartfoil**  
**+ 1174 lbs/a** yield increase with **Moka**



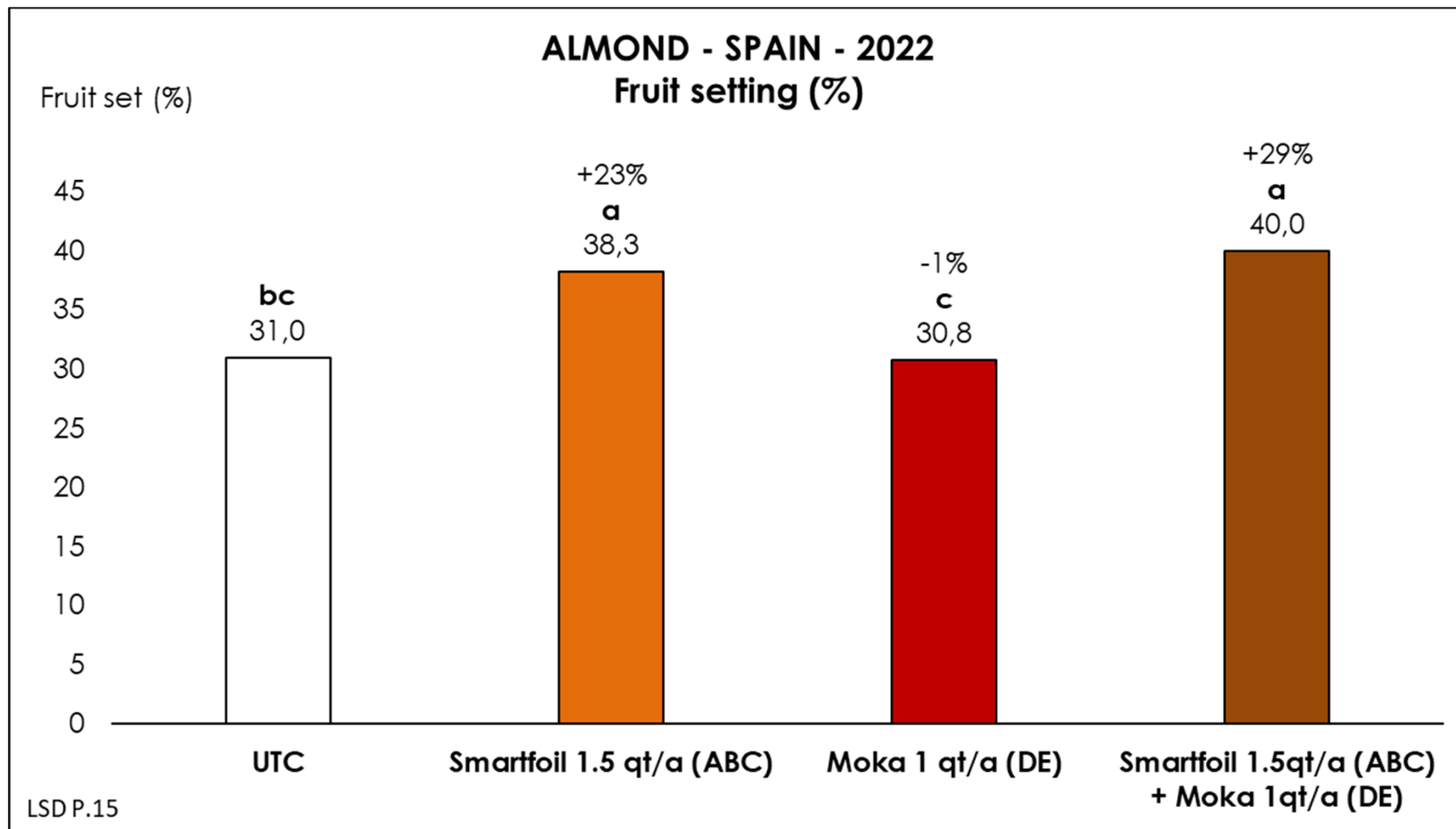
**+ 1879 \$/a with Smartfoil**  
**+ 2168 \$/a with Moka**

# Other Geographies DATA

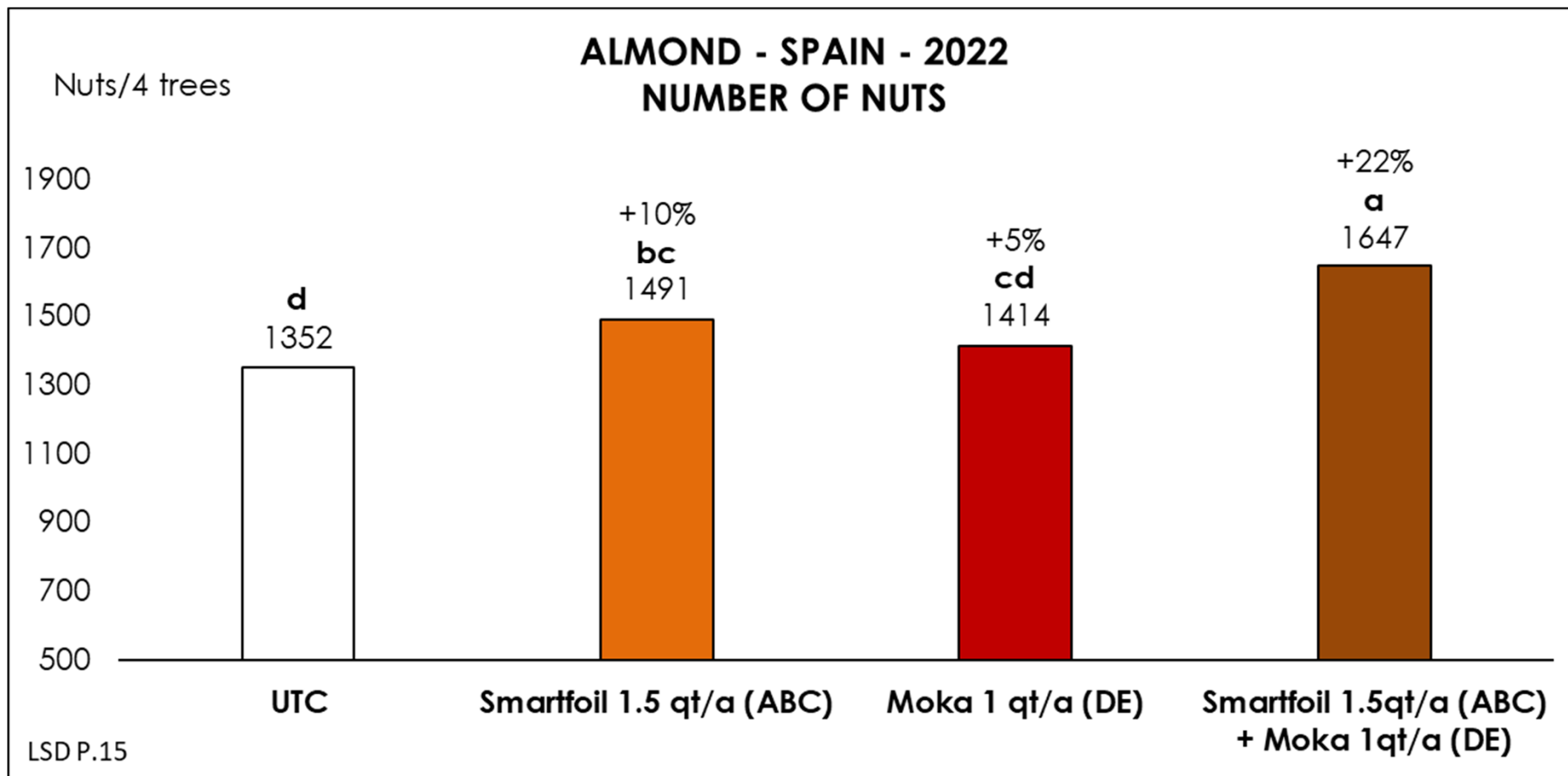
Treatments	Dose rate	Application
UTC	-	
SMARTFOIL	1.5 qt/a	ABC
MOKA	1 qt/a	DE
SMARTFOL + MOKA	1.5 qt/a + 1 qt/a	ABC + DE

Trial information - Application					
Step	Conditions				Date
	Material	Vol. water	T°F	Stage	
Planting	130 trees/a				2007
Application A	Spray (KNAMOT)	90 GPA	63	BBCH 57 (Early flowering)	Feb 18, 2022
Application B			59	BBCH 65 (Mid flowering)	Feb 28, 2022
Application C			64	BBCH 71 (End flowering)	March 28, 2022
Application D			70	BBCH 72 (Fruit setting)	April 1, 2022
Application E			59	BBCH 79 (Nut fill)	May 19, 2022
Harvest					Sept 6, 2022

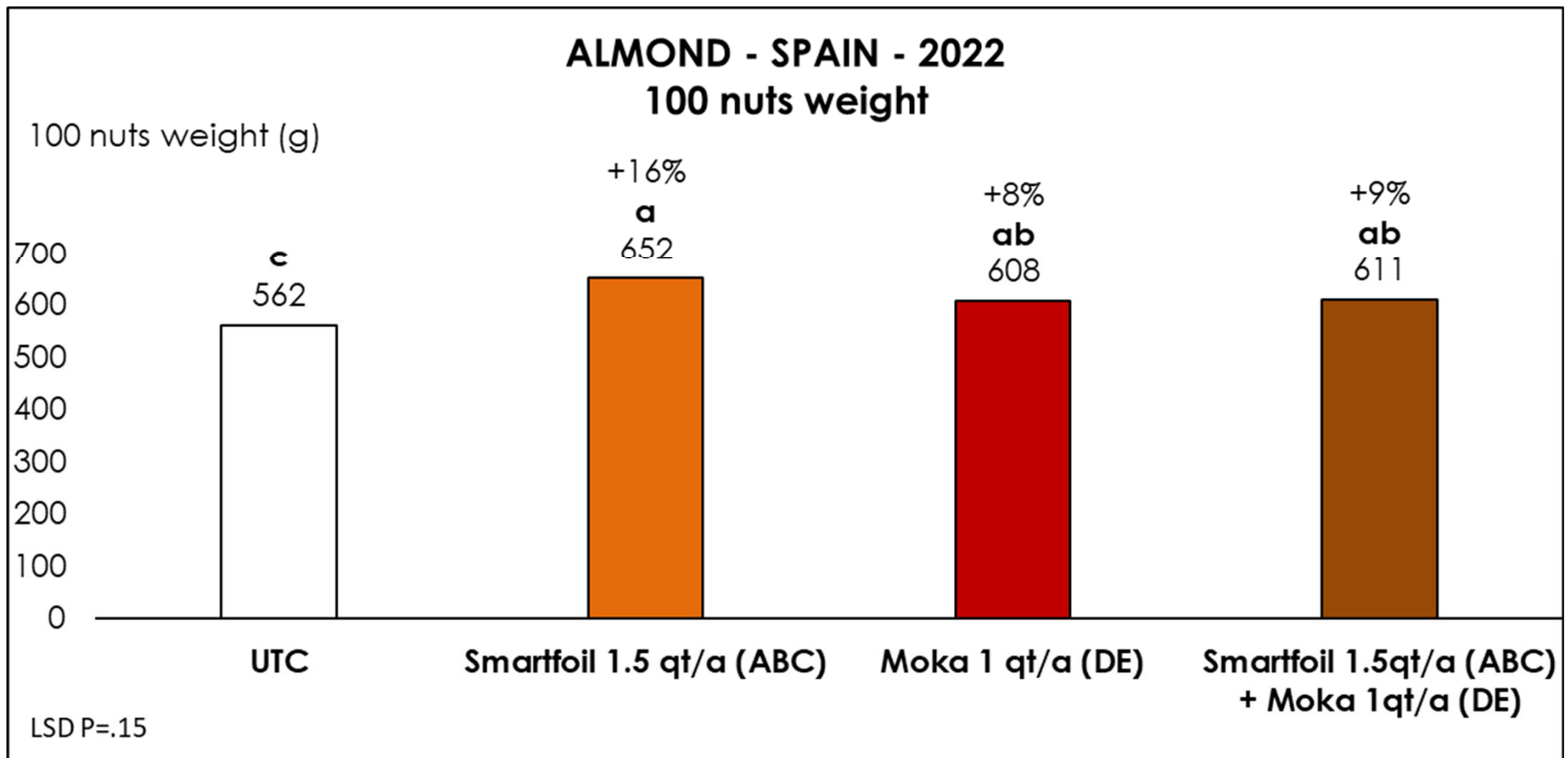
4 replicates  
Variety : Felipa



- **Smartfoil** secures flowering, allowing an increase of 23% of fruit setting.
- No effect of **Moka** : indeed, the product is applied later in the crop cycle.

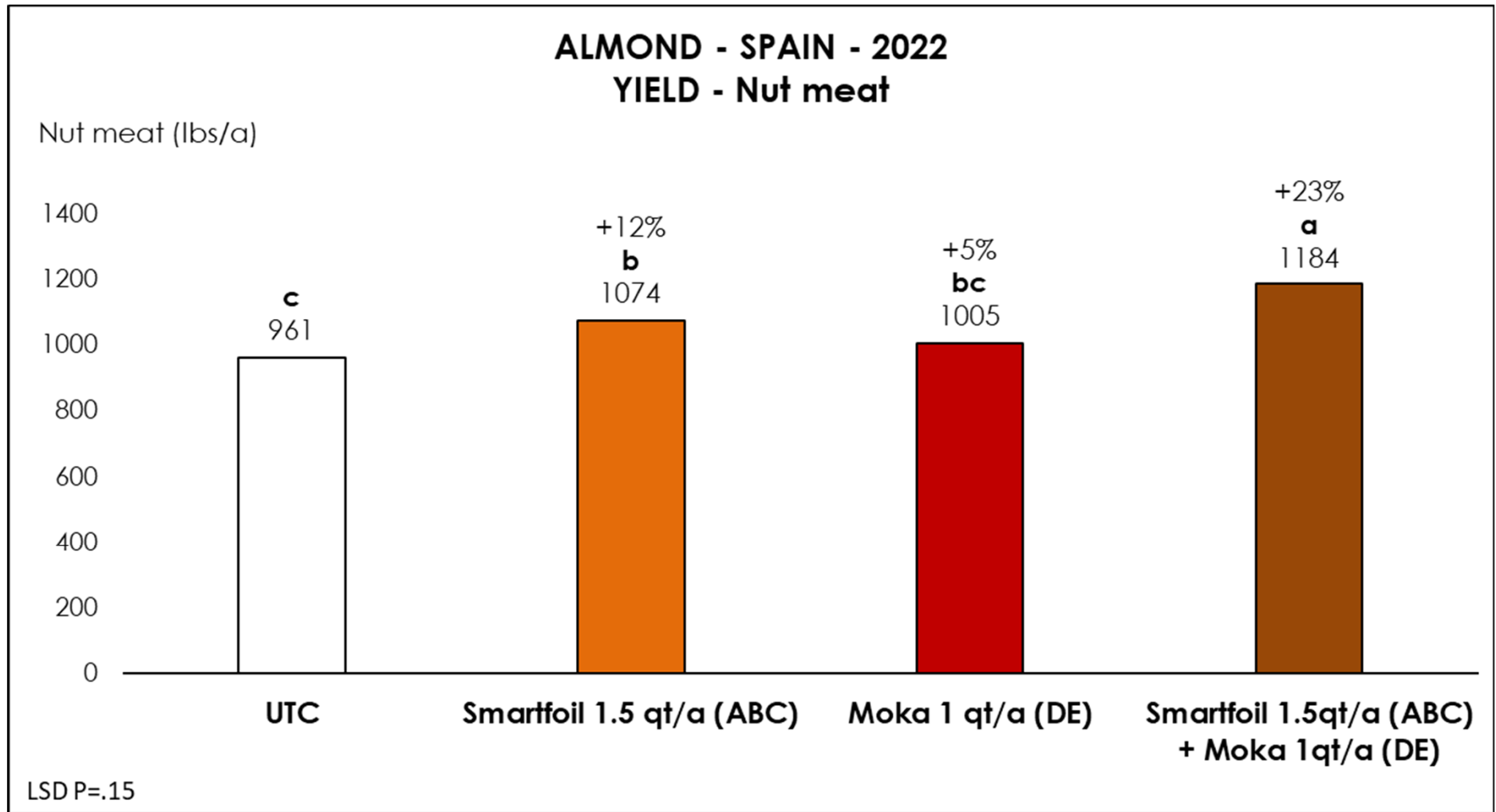


- The program **Smartfoil** + **Moka** offers the best increase in number of nuts per tree (+ 22%)



- Treatments allow to increase number of nuts (see previous slide).
- This 100 nuts weight assessment show that treatments also allow to increase nuts weight.
- Thus, final yield is positively impacted (see final yield on next slide)





- Both **Smartfoil** and **Moka** provide yield increase compared to UTC.
- The program treatment provides the best yield increase (+ 23%)

**Products efficacy validation 2020 & 2021 & 2022 :  
very good results**



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