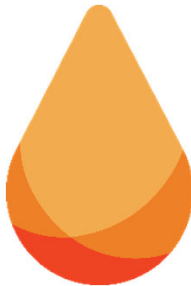


The division dedicated to plant protection, stimulation  
and nutrition

**BUILT<sup>on</sup>  
TRUST**

- ✓ Yeast **fermentation** metabolites : next generation technology
  - ✓ **Industrial** scale & quality
  - ✓ Answer a clear need : mitigate **abiotic stress**
  - ✓ Clear crop positioning : secure **flowering**
  - ✓ Back up with **research** : mode of action well documented
  - ✓ Proven technology : clear product **benefits**
  - ✓ **Sustainable** and suitable for **organic** production (OMRI listed)
- 

- ✓ Product efficiency is maximized around flowering in order to secure this critical period

→ BBCH 55 – 57

→ BBCH 65

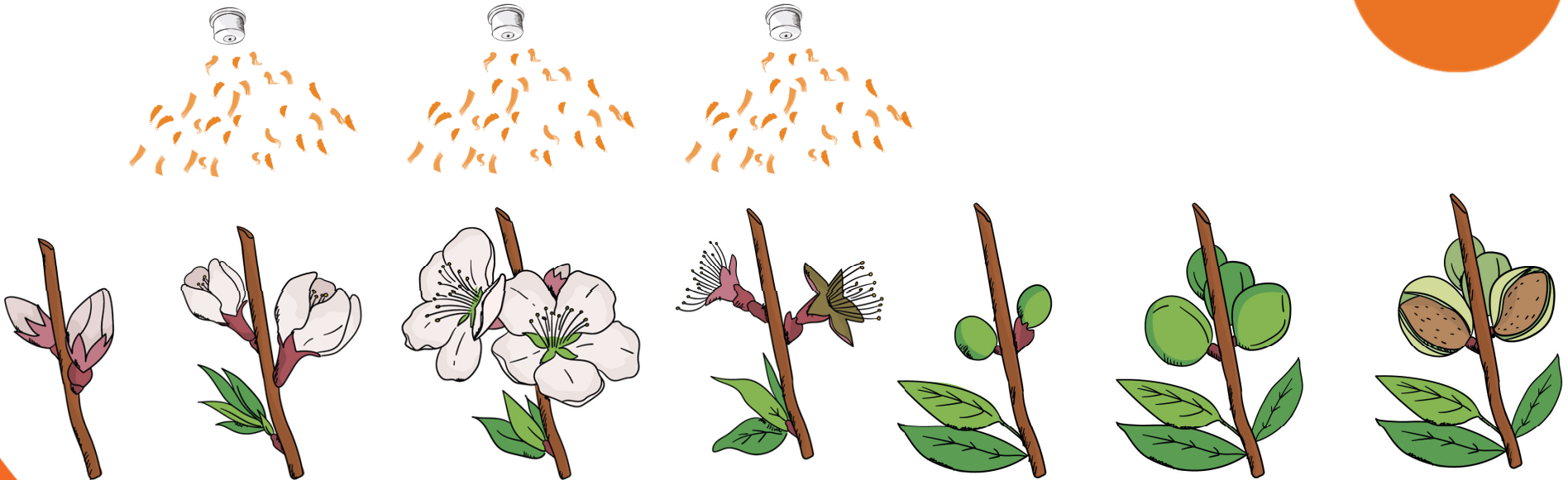
→ BBCH 71

Smartfoil®

Smartfoil®

Smartfoil®

1.5 qt/a



# Nuts

Almonds, Pistachios, Pecans

US  
DATA

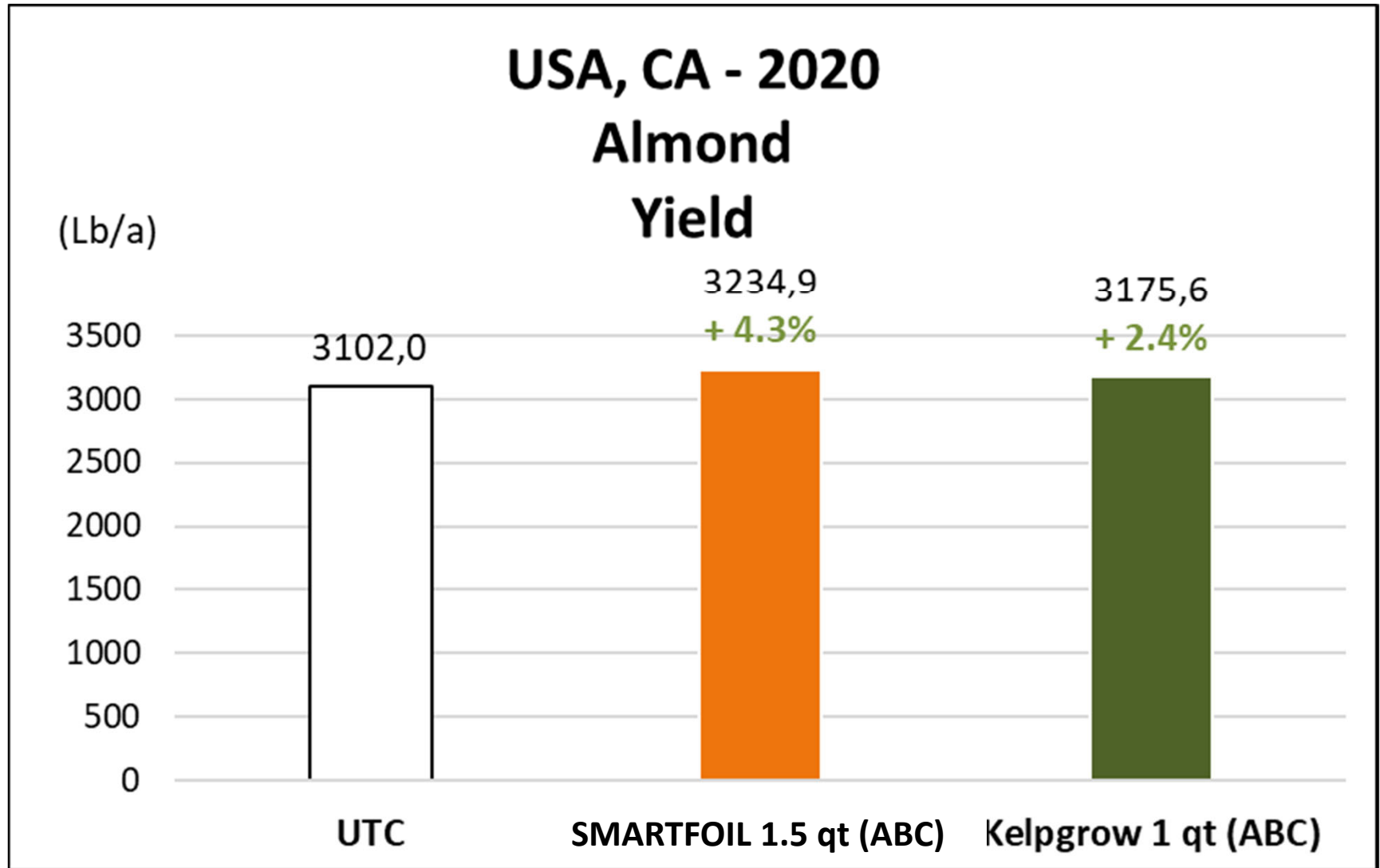


Object	Dose rate
UTC	-
SMARTFOIL 1.5 qt (ABC)	1.5 qt/a
Kelpgrow 1 qt (ABC)	1 qt/a

Trial information - Application					
Step	Conditions				Date
	Material	Vol. water	T°	Stage	
<i>Planting</i>	<i>18/02/2017</i>				<i>3 years</i>
Application A	Cima Sprayer	100 GPA	73	BBCH 57 (flowering start)	20/02/2020
Application B	Cima Sprayer	100 GPA	71	BBCH 65 (mid flowering)	28/02/2020
Application C	Cima Sprayer	100 GPA	77	BBCH 71 (end flowering)	06/03/2020
<i>Harvest</i>					<i>06/08/2020</i>

6 replicates

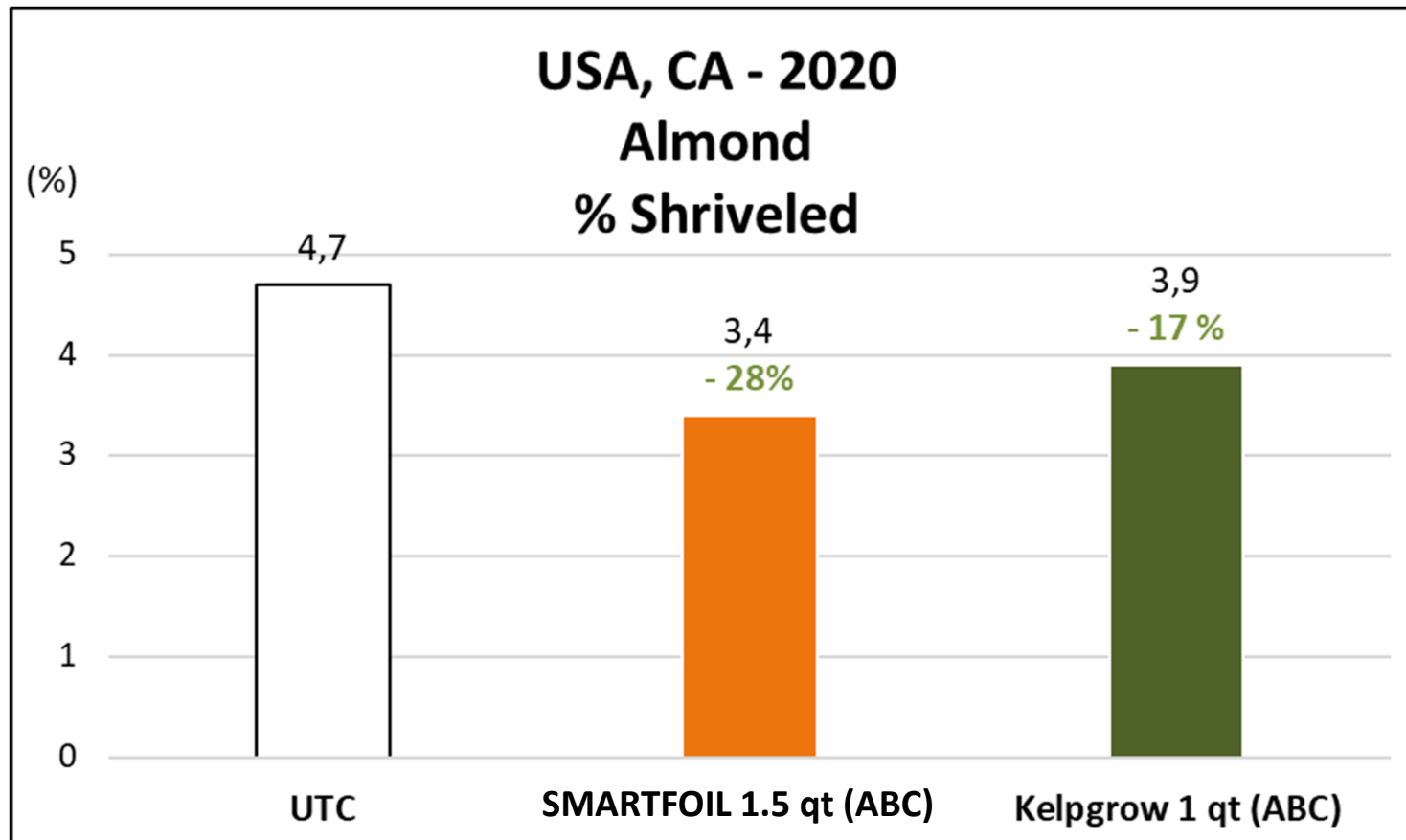
Variety : Monterey





**Shriveling**





"There was no statistical difference for almond yield among the treatments. However, treatment 2 (MF55 at 1.5 qt/A) resulted in numerically higher yield (1.84% and 4.28% respectively) in comparison to plots treated with Kelpgrow and UTC. Additionally, MF55 treatment revealed numerically lower shriveled kernel percentage among the treatments."

SMARTFOIL = MF55

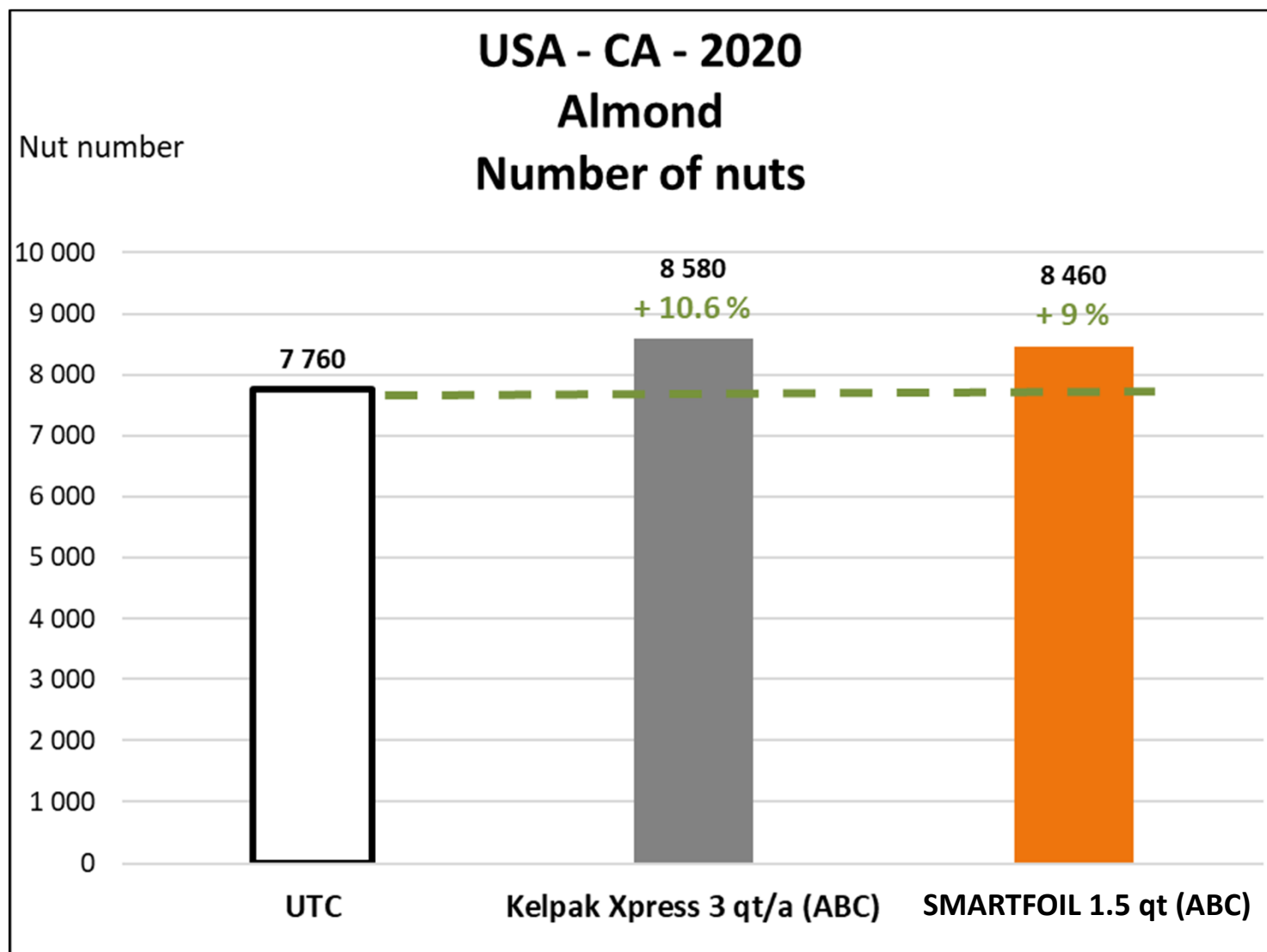


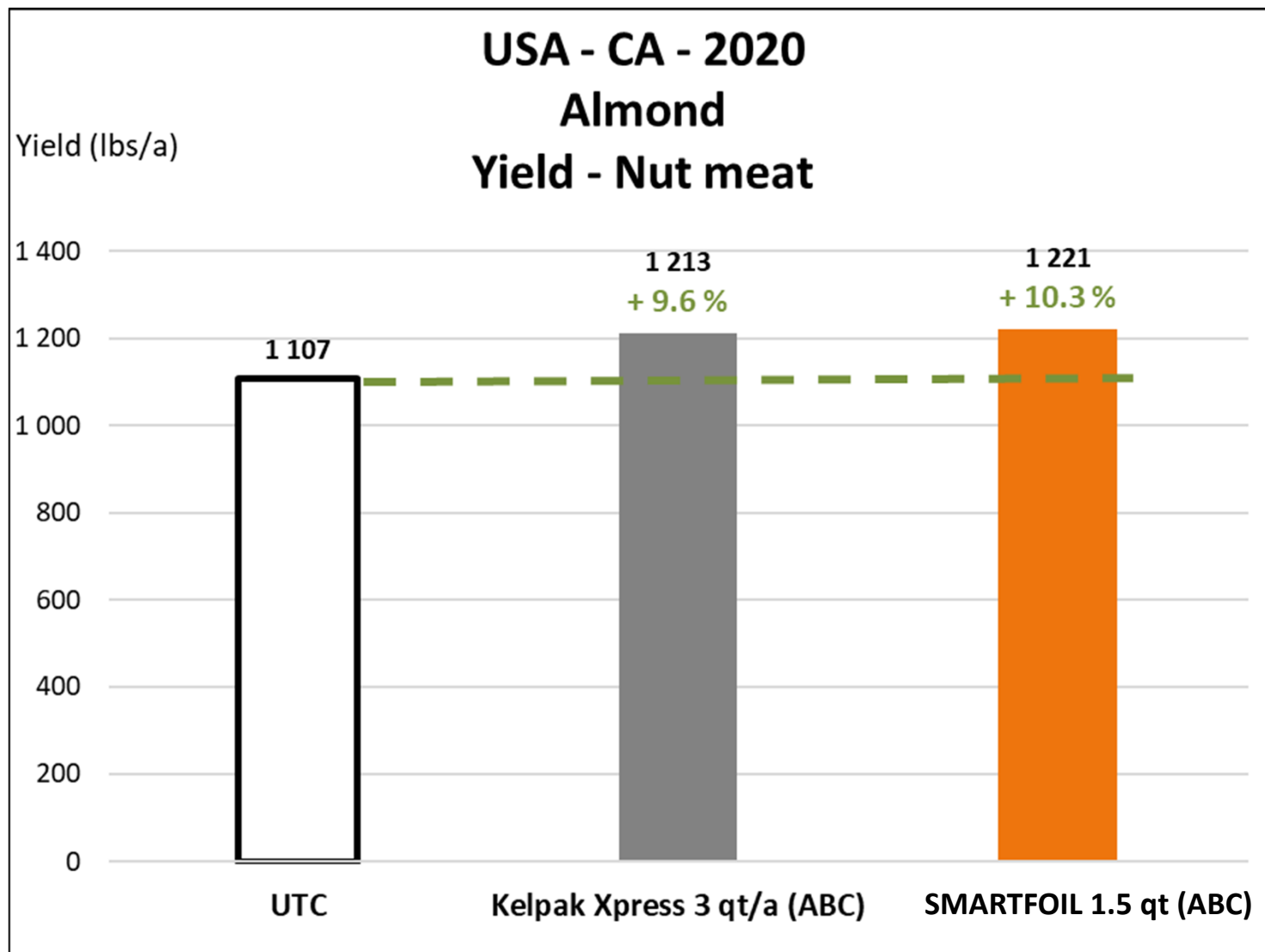
Treatments	Dose rate
UTC	-
Kelpak Xpress	3 qt/a
SMARTFOIL	1.5 qt/a

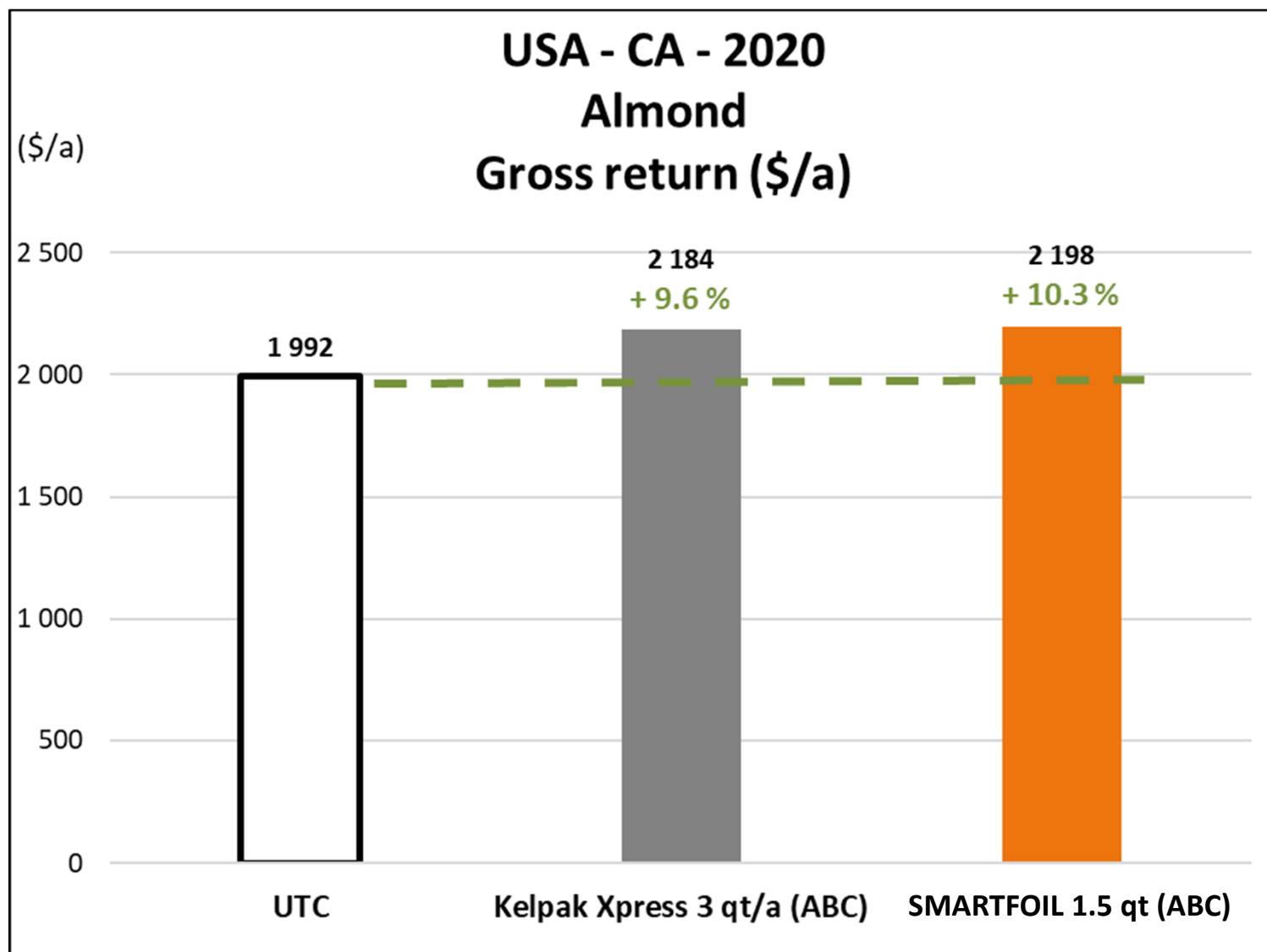
Trial information - Application					
Step	Conditions				Date
	Material	Vol. water	T°	Stage	
<i>Planting</i>					<i>13 years</i>
Application A	MISTBLOWER	100 GAL/	58F	BBCH 57 (flowering)	26/02/2020
Application B		100 GAL/	62F	BBCH 65 (mid flow)	10/03/2020
Application C		100 GAL/	58F	BBCH 71 (end flow)	28/03/2020
<i>Harvest</i>					<i>12/08/2020</i>

6 replicates

Variety : Nonpareil







**+ 206 \$/a with Smartfoil**  
3 applications at flowering time



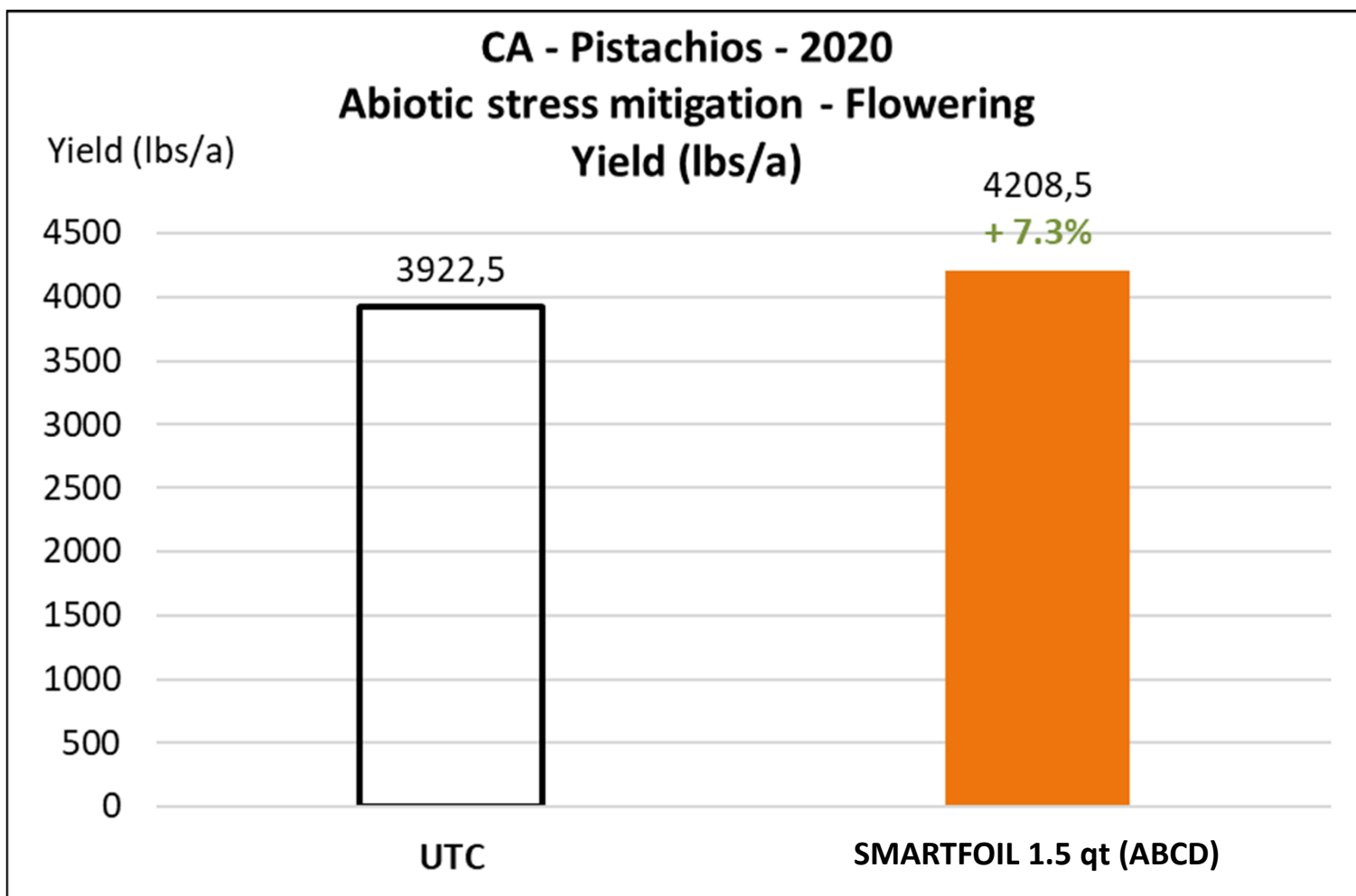




Object	Dose rate
UTC	-
Acadian 1qt (ABCD)	1 qt/a
SMARTFOIL 1.5 qt (ABCD)	1.5 qt/a

Trial information - Application					
Step	Conditions				Date
	Material	Vol. water	T°(F)	Stage	
<i>Planting</i>					<i>20 years</i>
Application A	Mistblower	100 GPA	65	Mid bloom	10/04/2020
Application B	Mistblower	100 GPA	65	Petal fall	22/04/2020
Application C	Mistblower	100 GPA	68	Nut development	08/05/2020
Application D	Mistblower	100 GPA	75	Nut fill	03/06/2020
<i>Harvest</i>					<i>08/09/2020</i>

4 replicates  
Variety : Kerman



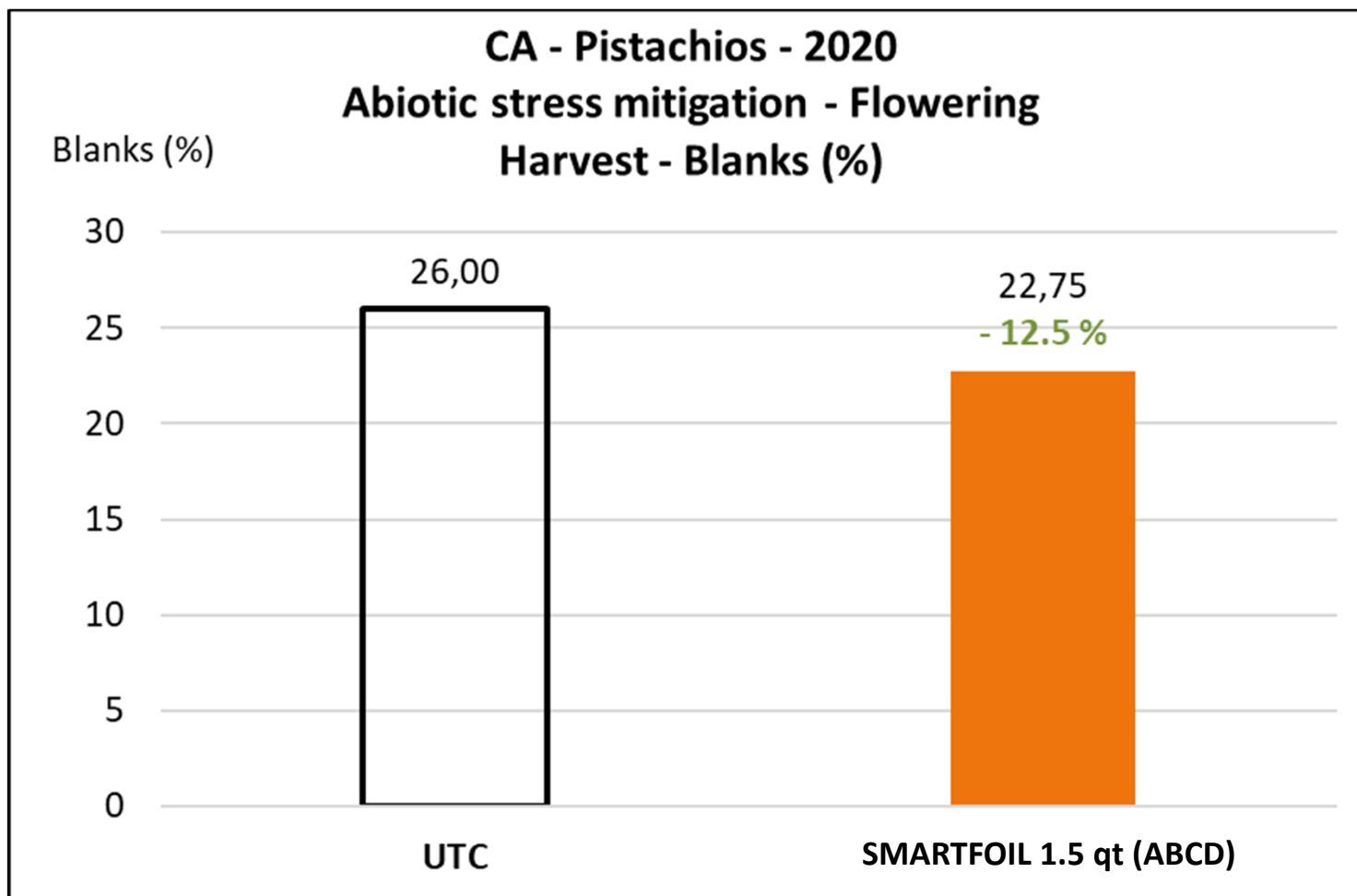
**+ 7.3% yield increase with**  
**Smartfoil**





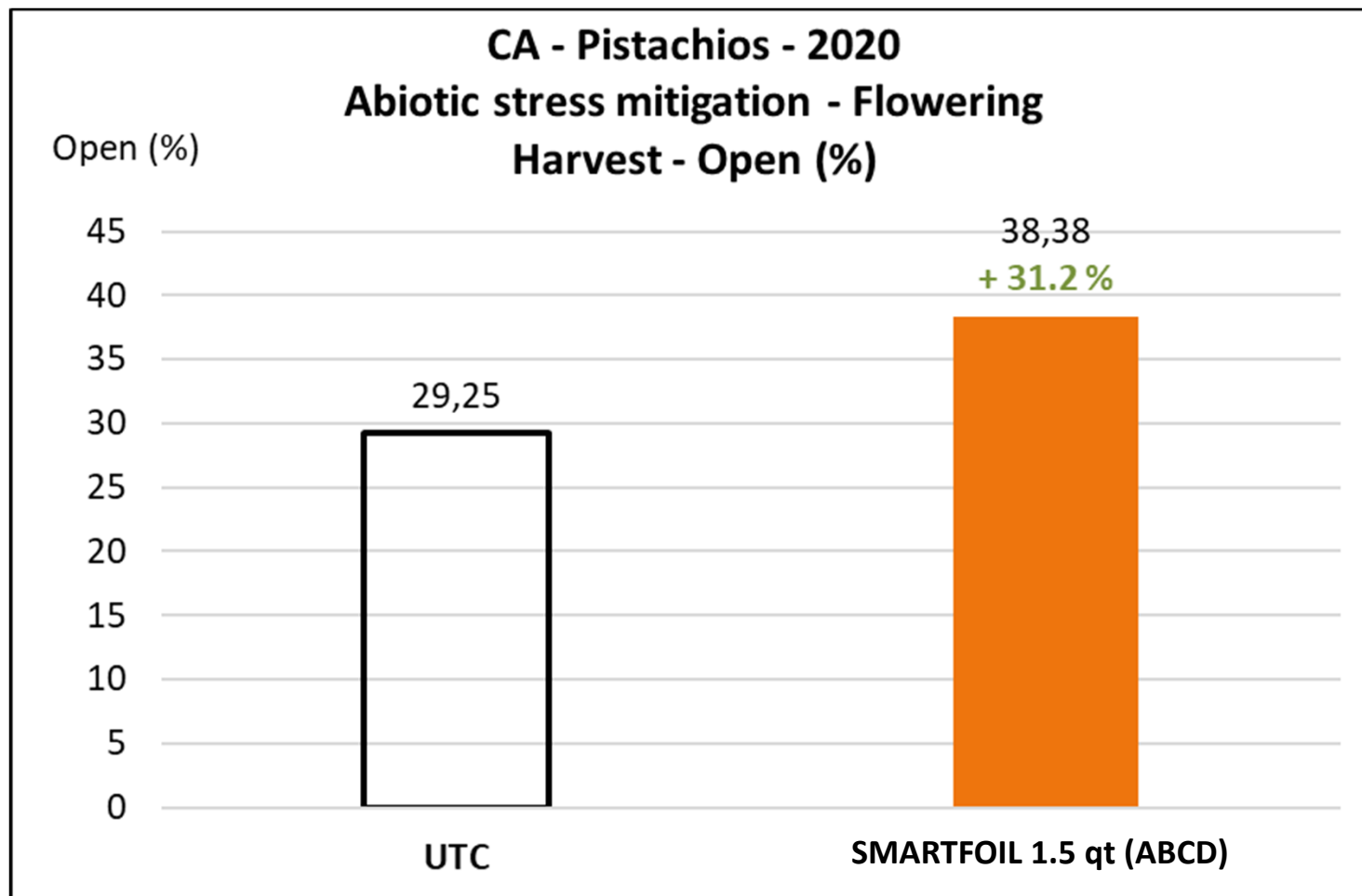
20 – 30% of the shells are  
blanks





**- 12.5% blanks with Smartfoil**

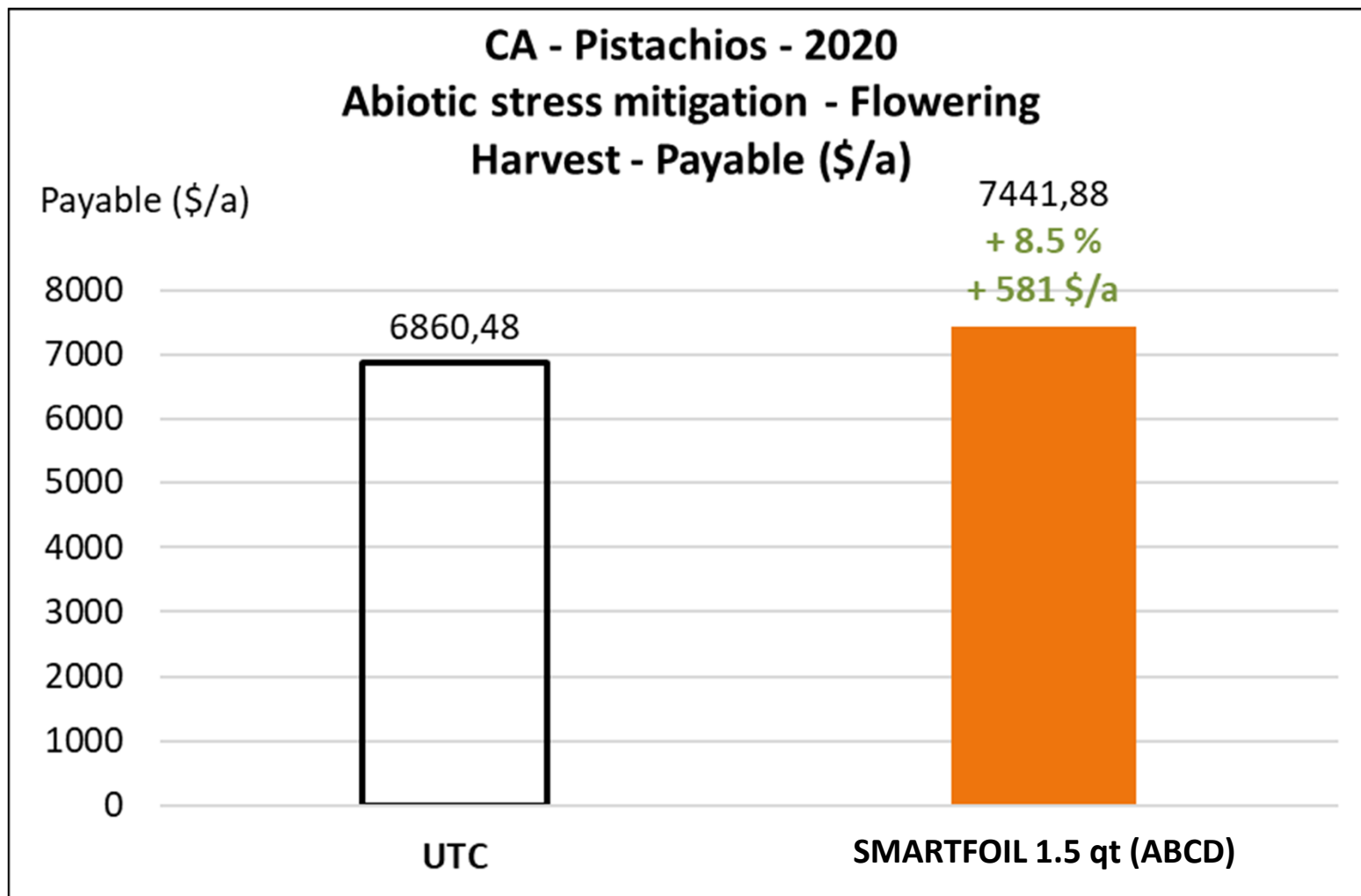
"Blanks are a big problem for pistachio growers and on off years like this year, it is even worse."



**+ 31.2% open with Smartfoil**

"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."





+ 581 \$/a with Smartfoil



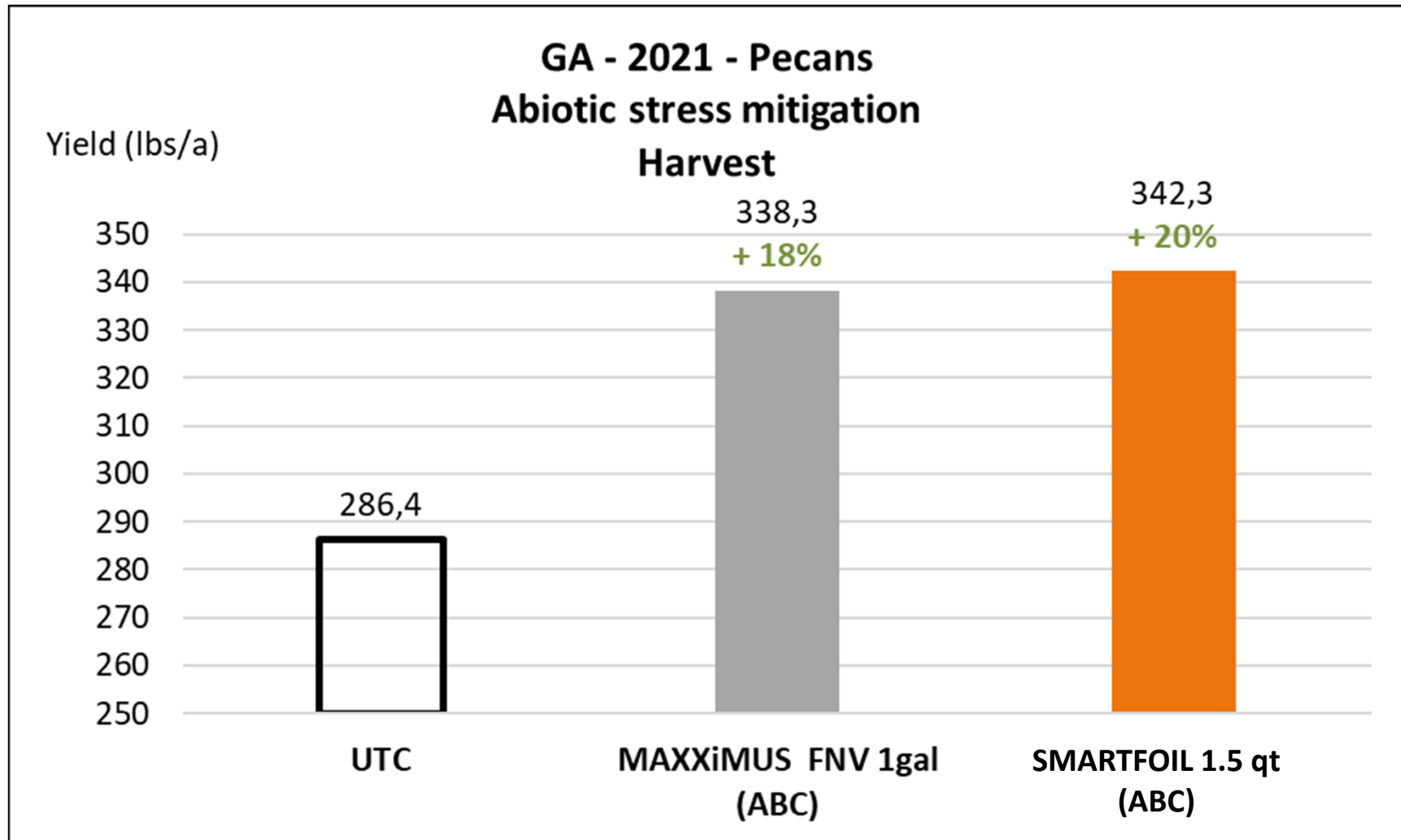




Treatments	Dose rate
UTC	-
MAXXiMUS FNV 1gal (ABC)	1 gal/a
SMARTFOIL 1.5 qt (ABC)	1,5 qt/a

Trial information - Application					
Step	Conditions				Date
	Material	Vol. water	T°(F)	Stage	
<i>Planting</i>	<i>13 years old tress ; 21.4 P/A</i>				<i>01/01/2008</i>
Application A	SPRAYER	100 GPA	69	BBCH 55 (flowering start)	20/04/2021
Application B		100 GPA	64	BBCH 65 (mid flowering)	29/04/2021
Application C		100 GPA	50	BBCH 67 (end flowering)	08/05/2021
<i>Harvest</i>					<i>08/12/2021</i>

6 replicates  
Variety : Sumner



- Low-yield season
- + 20% yield increase with Smartfoil





A single drop against abiotic stress

