

The division dedicated to plant protection, stimulation  
and nutrition

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



A single drop against abiotic stress





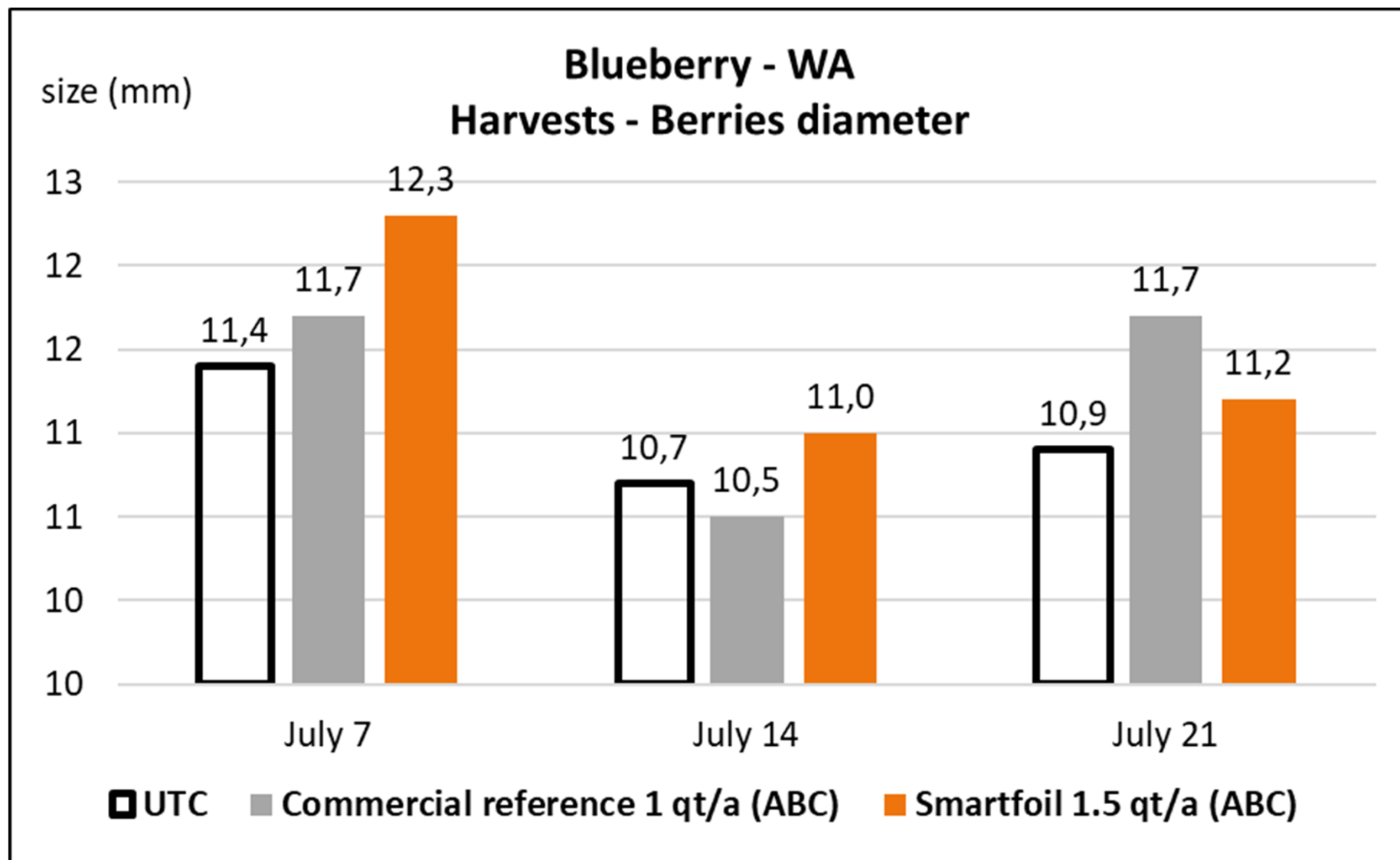
**MF55**

**Blueberries**

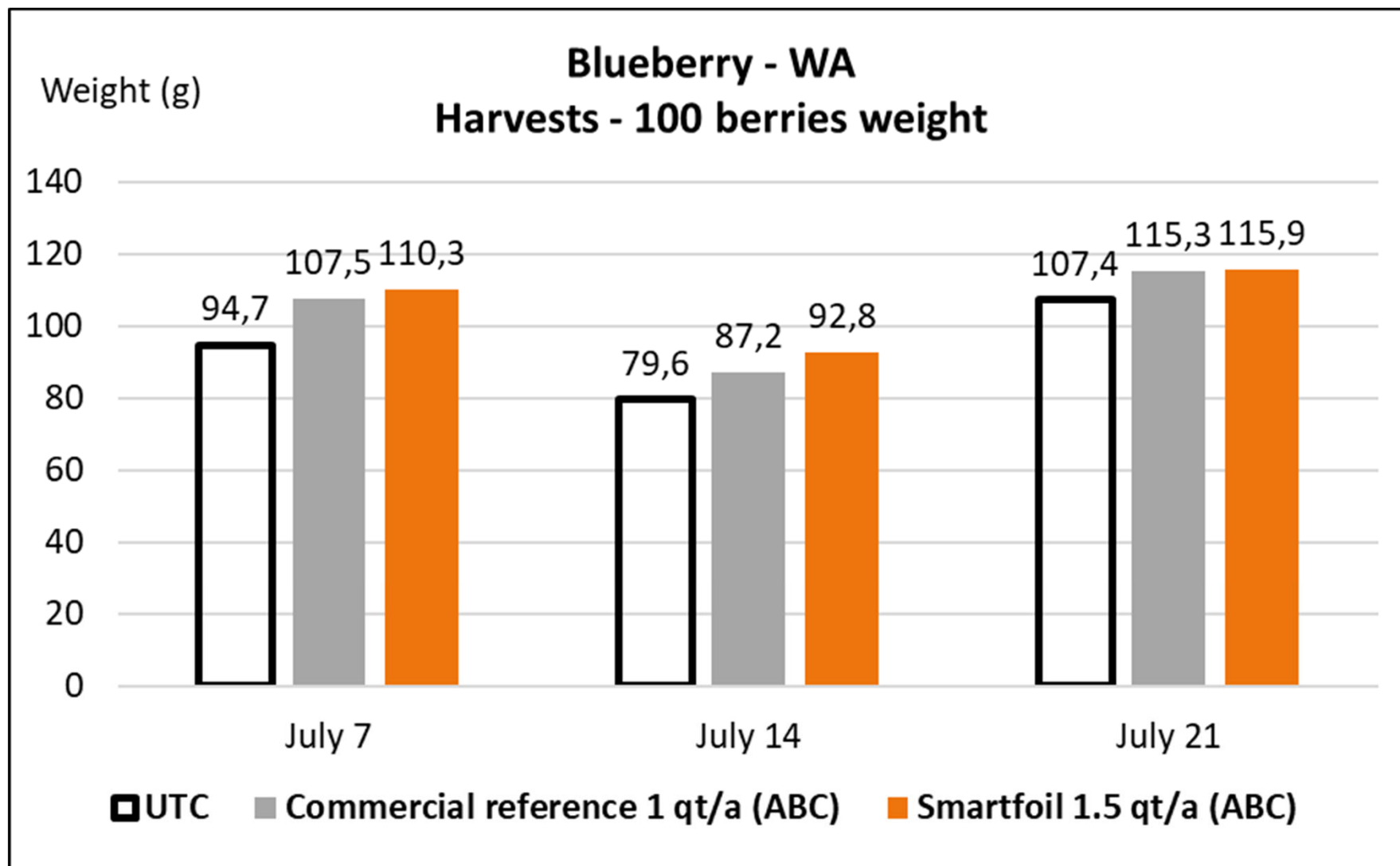
Treatments	Dose rate	Application
UTC	-	-
Commercial reference 1 qt/a (ABC)	1 qt/a	ABC
Smartfoil 1.5 qt/a (ABC)	1.5 qt/a	ABC

Trial information - Application					
Applications	Conditions				Date
	Material	Vol. water	T°(F)	Stage	
Application A	Sprayer	30 GPA	54	BBCH 57-59 (Early flowering)	April 29th, 2022
Application B	Sprayer	30 GPA	49	BBCH 65 (Mid flowering)	May 6th, 2022
Application C	Sprayer	30 GPA	48	BBCH 71 (Fruit set)	May 20th, 2022
	<i>Harvest</i>				July, 7th, 14th, 21th, 2022

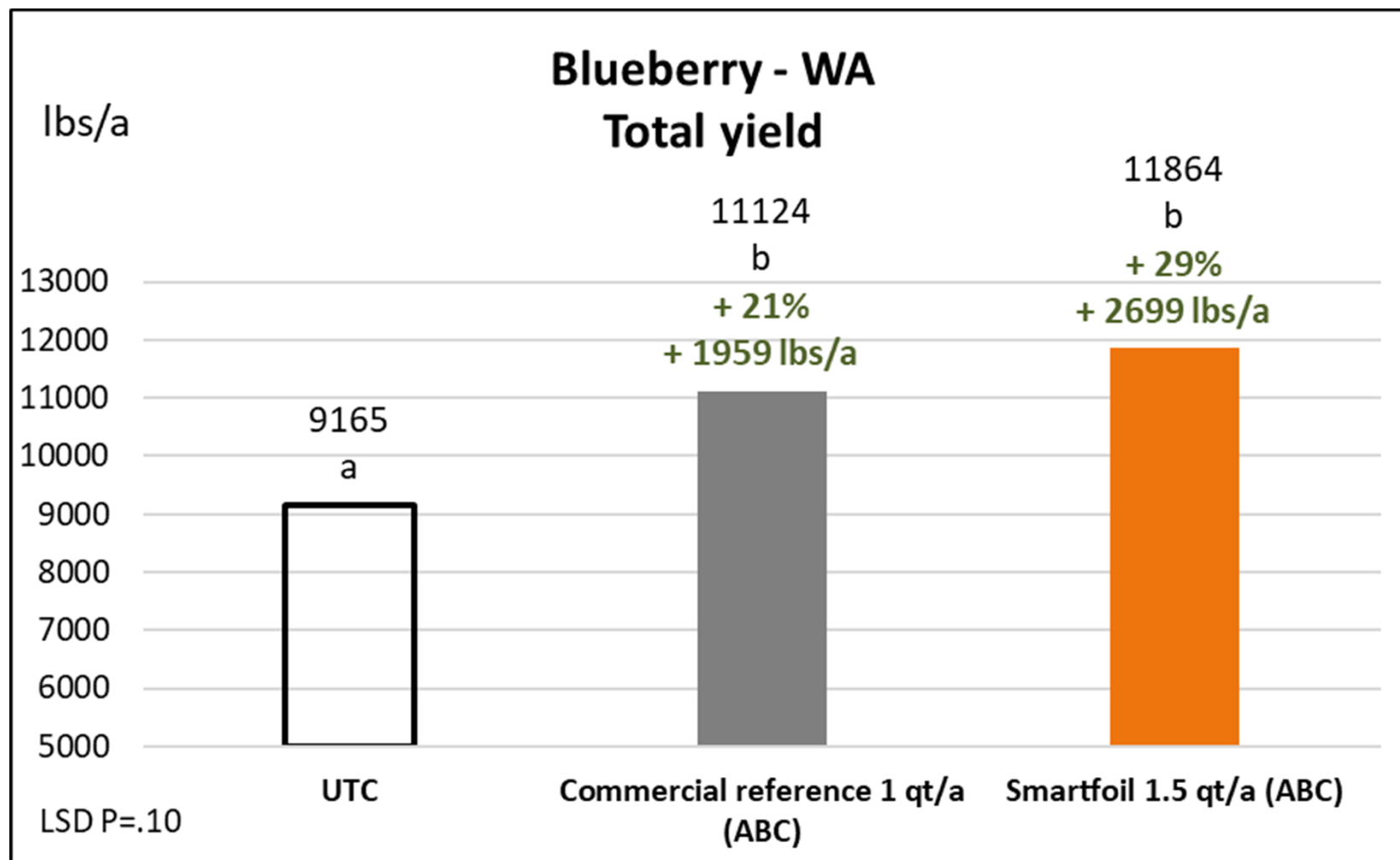
- 6 replicates
- Blueberry variety : Duke







- SMARTFOIL yield increase per pick : +16%, +17%, +8%
  - ➔ **Consistency = yield increase at each harvest**
- No stat difference between treatments at LSD P=.10



**CRO comments :**

“The results indicated that MF55 has potential for decreasing flower abortion and increasing diameter for blueberry.

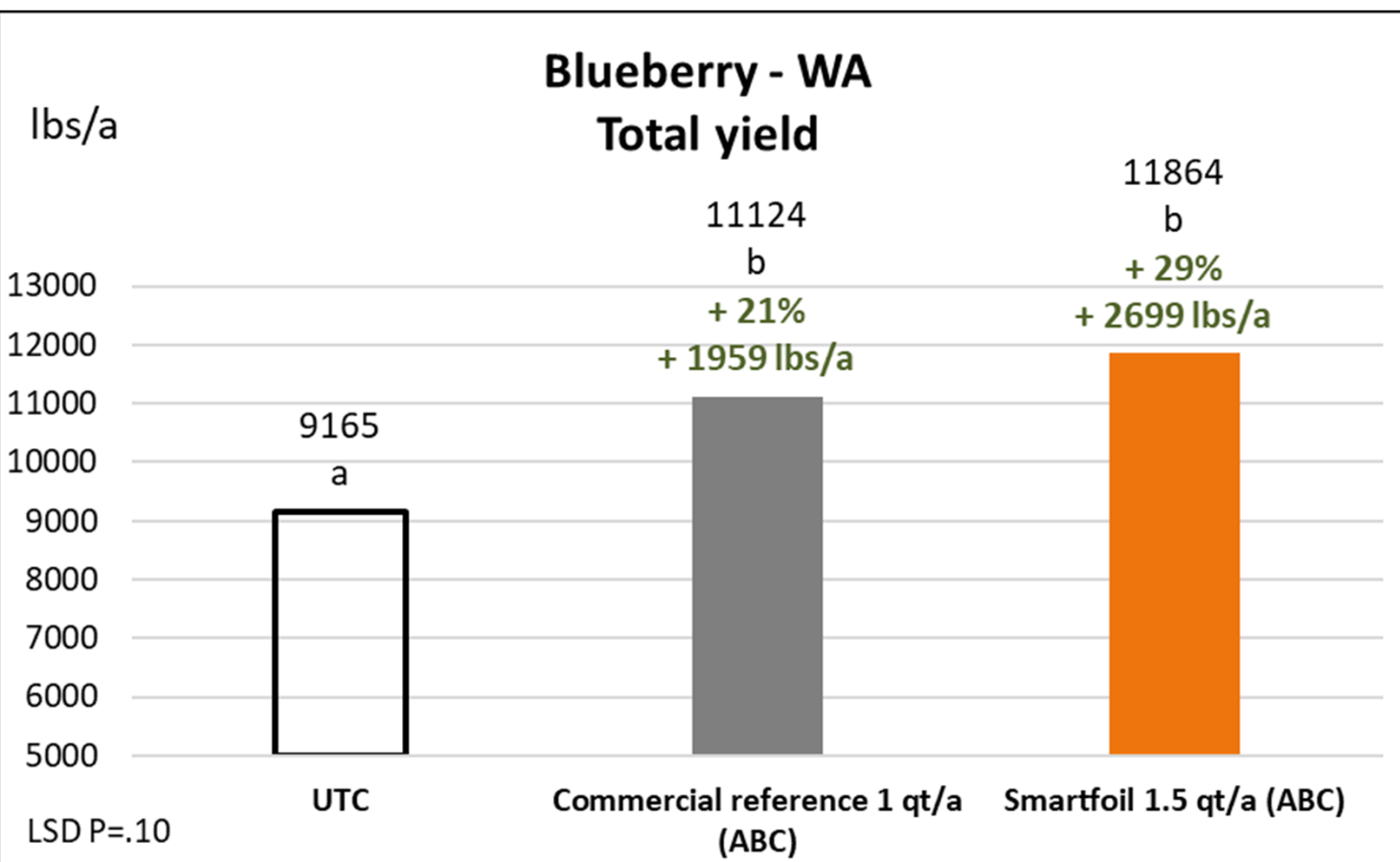
MF55 can significantly increase blueberry yield”

"Conventional processed, probably 80 cents a pound

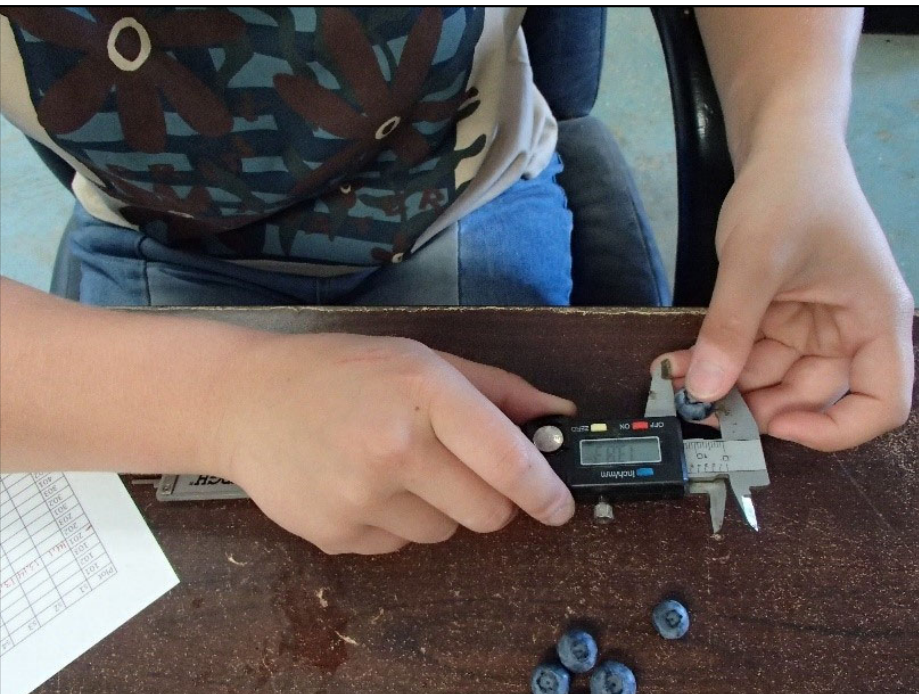
Conventional fresh price hand picked maybe a dollar,  
machine picked maybe 85 cents

Organic packed (since organic growers pack their own),  
probably 2.30 a pound"

Add. Yield Revenue	\$ 2699
+ 2699 lbs/a @ \$1/lb blueberry	
Trial Practice Costs (Per Acre)	- \$49,5
+ Smartfoil 1.5qt/a @ \$16.5 x 3	
<b>Total Net Per Acre :</b>	<b>\$2649.5</b>









Treatments	Dose rate	Application
UTC	-	-
Commercial reference 1 qt/a (ABC)	1 qt/a	ABC
SMARTFOIL 1.5 qt/a (ABC)	1.5 qt/a	ABC

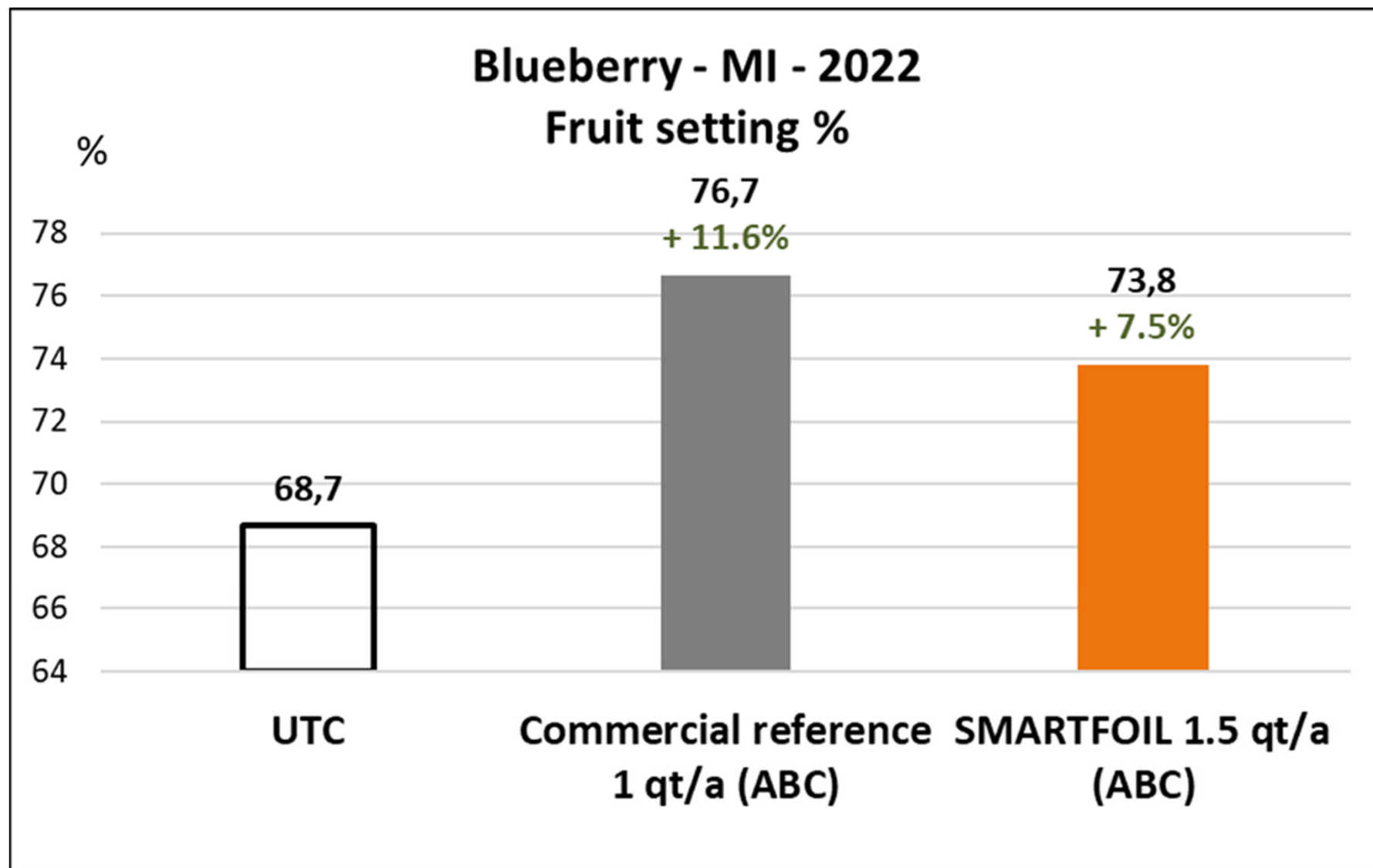
Foliar application timings:

A = BBCH 57-59 (Early flowering)

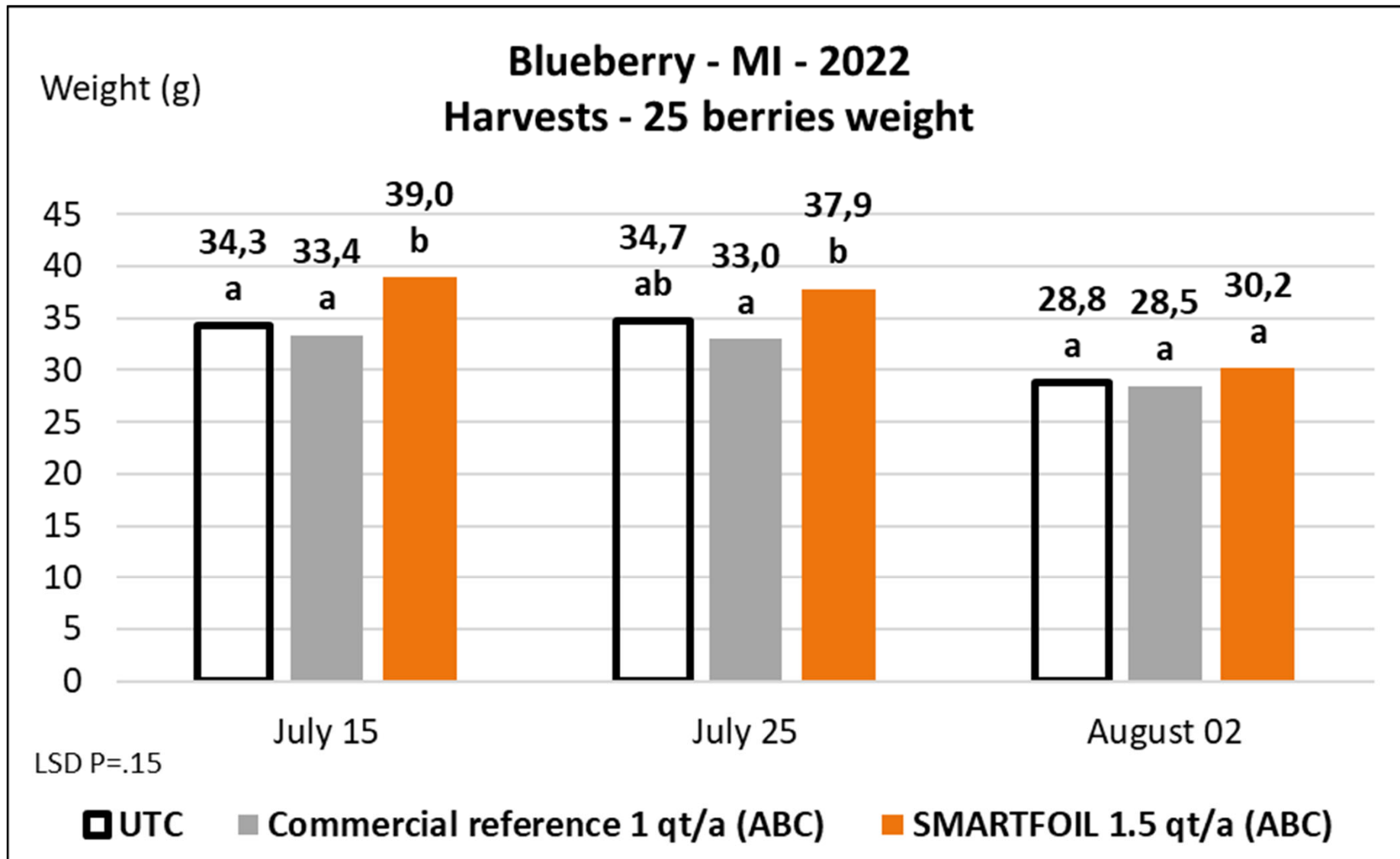
B = BBCH 65 (Mid flowering)

C = BBCH 71 (End flowering – Fruit set)

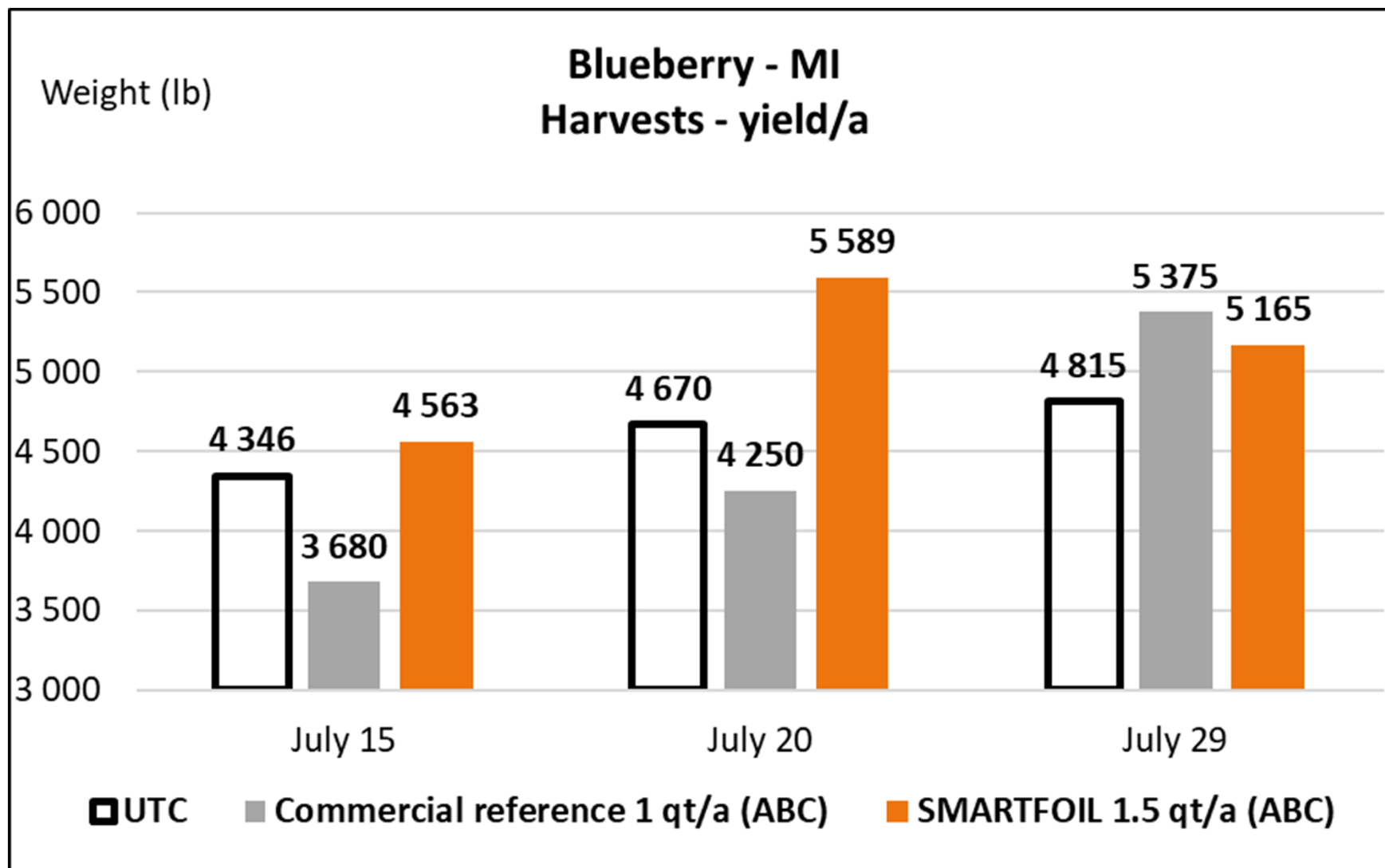
- 6 replicates
- Blueberry variety : Blueray



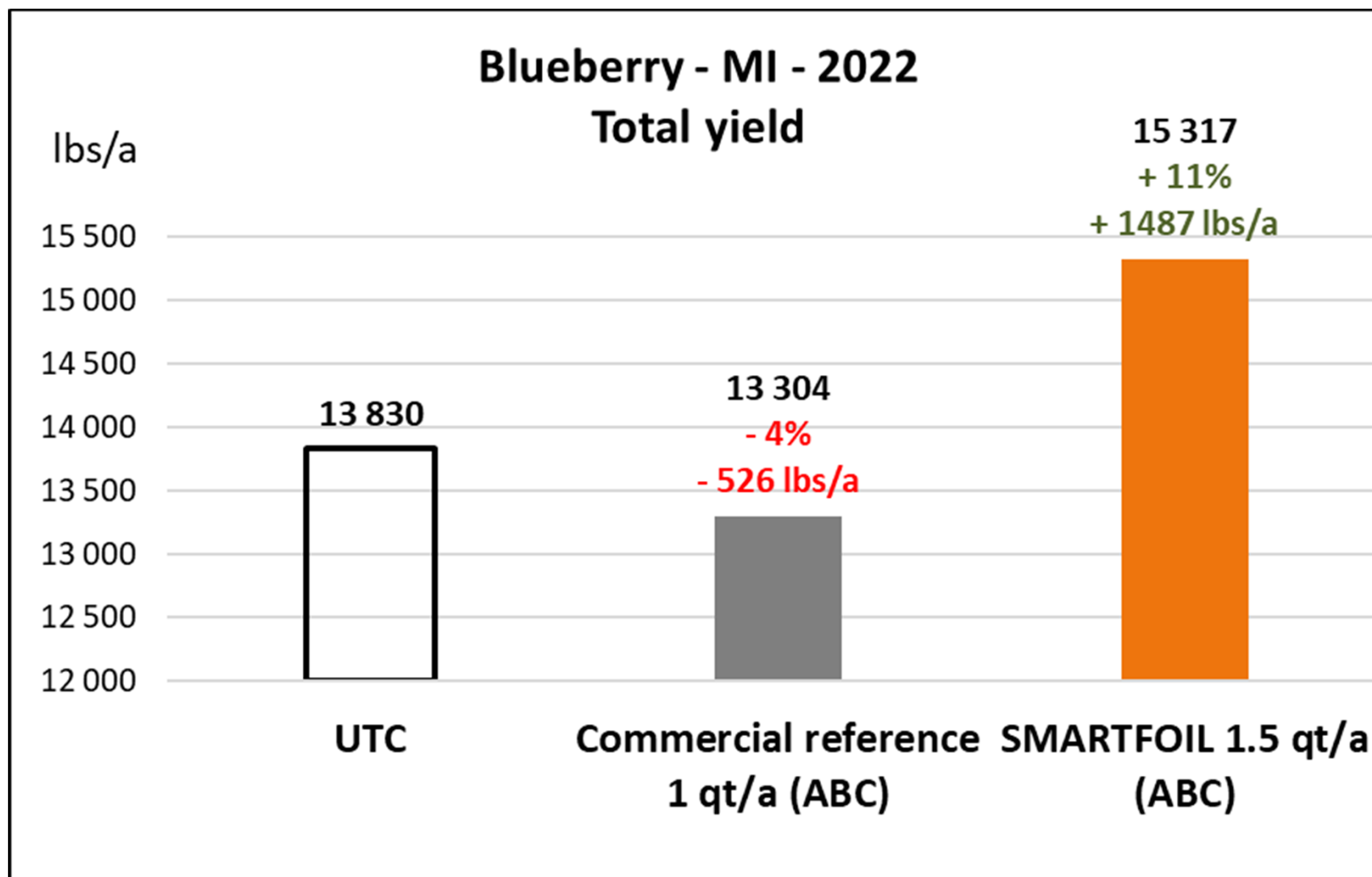
- Fruit setting = rate between number of flowers and numbers of fruits per branch
- Both treatments allow to increase fruit setting so to **mitigate flower abortion**
- No stat difference between treatments at LSD P=.15



- SMARTFOIL berry weight increase per pick : + 14%, + 9%, + 5%
  - ➔ Consistency = yield increase at each harvest



- SMARTFOIL yield increase per pick : +5%, +20%, +7%
  - ➔ **Consistency = yield increase at each harvest**
- No stat difference between treatments at LSD P=.15

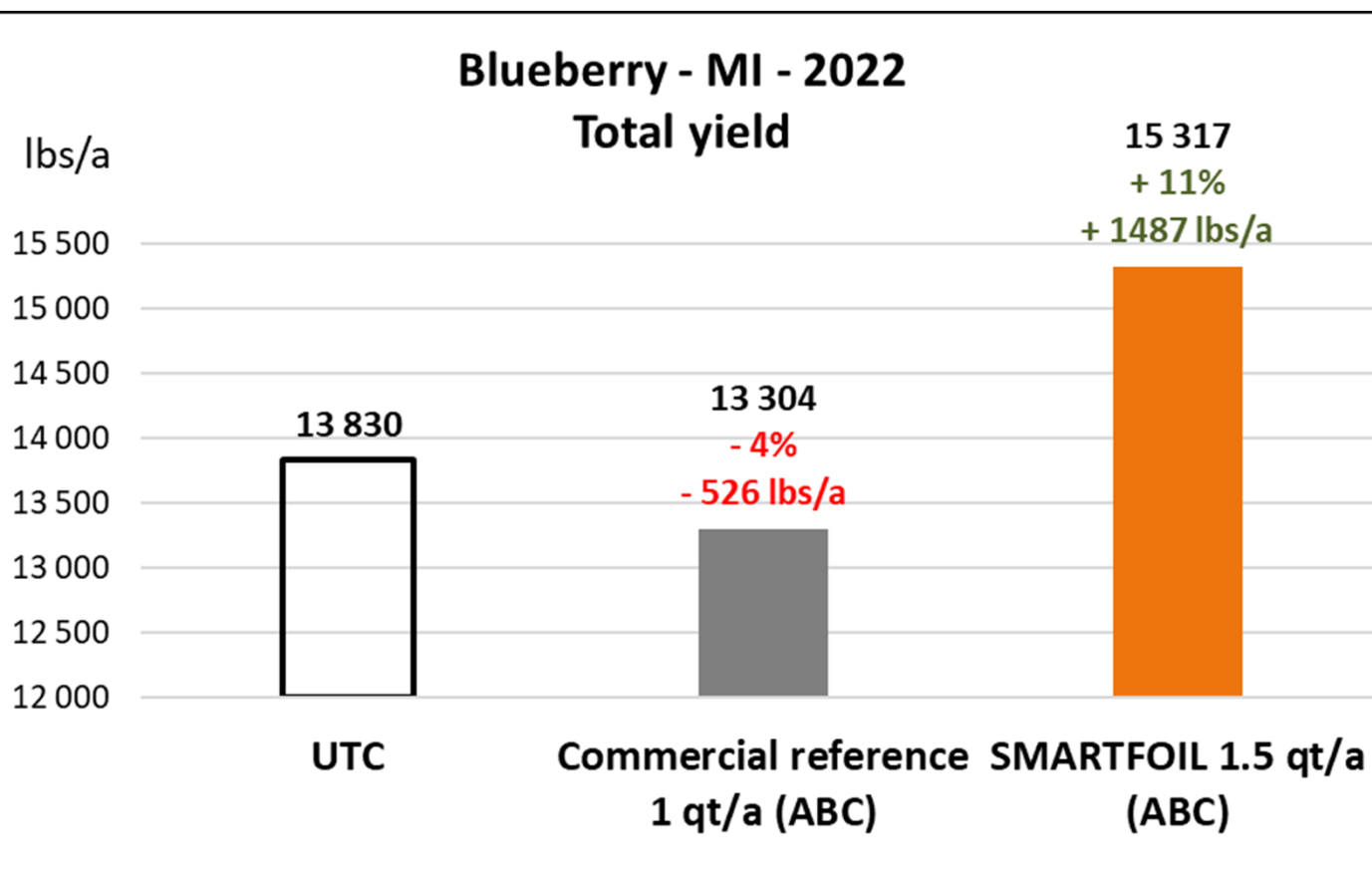




Processing price 0.64-0.85 \$/lb

Fresh 1.00-1.25 \$/lb

Add. Yield Revenue	
+ 1487 lbs/a @ \$1/lb blueberry	\$ 1487
Trial Practice Costs (Per Acre)	- \$49,5
+ Smartfoil 1.5qt/a @ \$16.5 x 3	
<b>Total Net Per Acre :</b>	<b>\$1437.5</b>



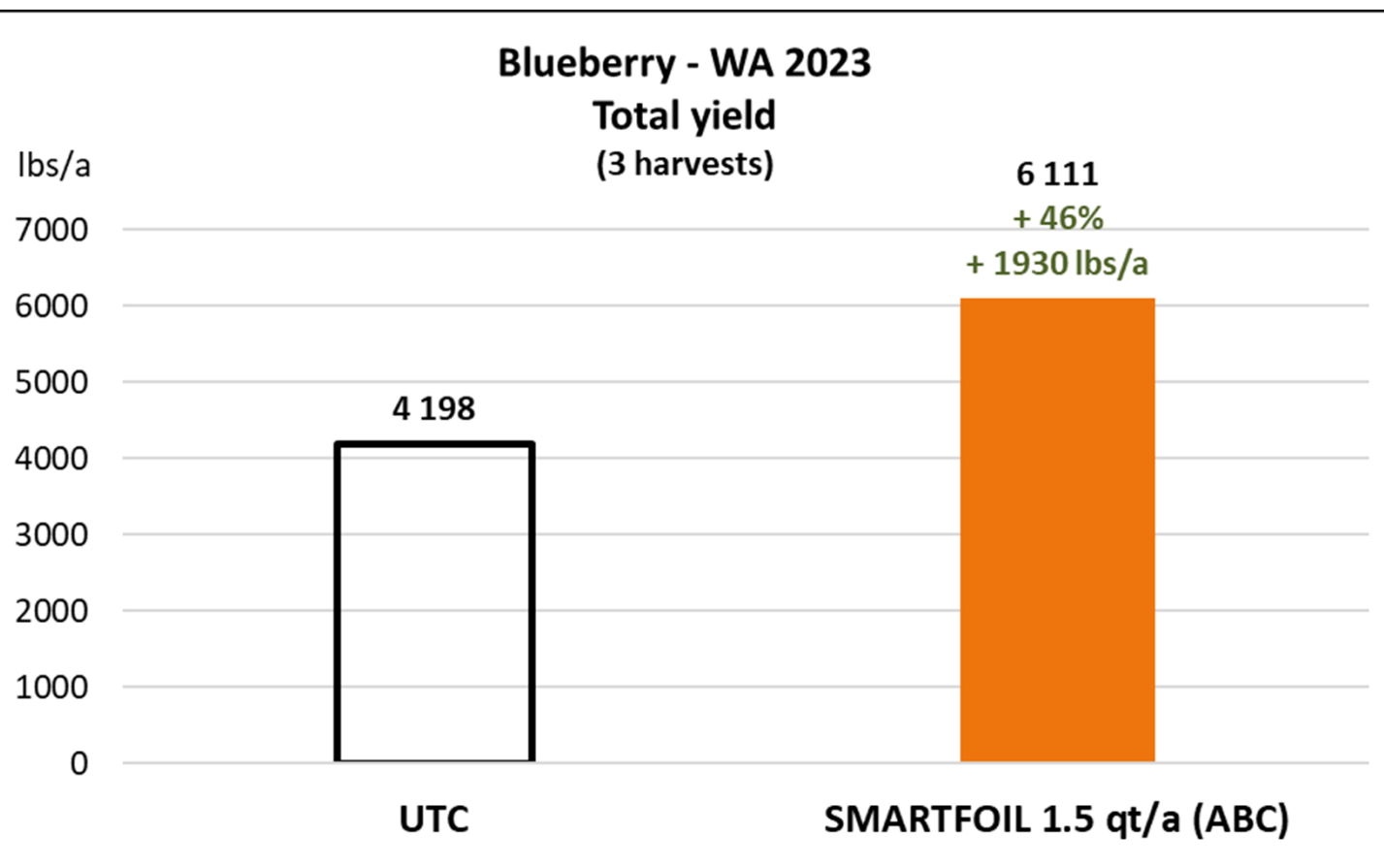


"Conventional processed, probably 80 cents a pound

Conventional fresh price hand picked maybe a dollar,  
machine picked maybe 85 cents

Organic packed (since organic growers pack their own),  
probably 2.30 a pound"

Add. Yield Revenue	\$ 1930
+ 2699 lbs/a @ \$1/lb blueberry	
Trial Practice Costs (Per Acre)	- \$49,5
+ Smartfoil 1.5qt/a @ \$16.5 x 3	
<b>Total Net Per Acre :</b>	<b>\$1880.5</b>





Agrauxine  
by Lesaffre

