

New Varieties for the Arizona Citrus

Industry

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Lemons

- Early season sizing
- Precocity
- High yields

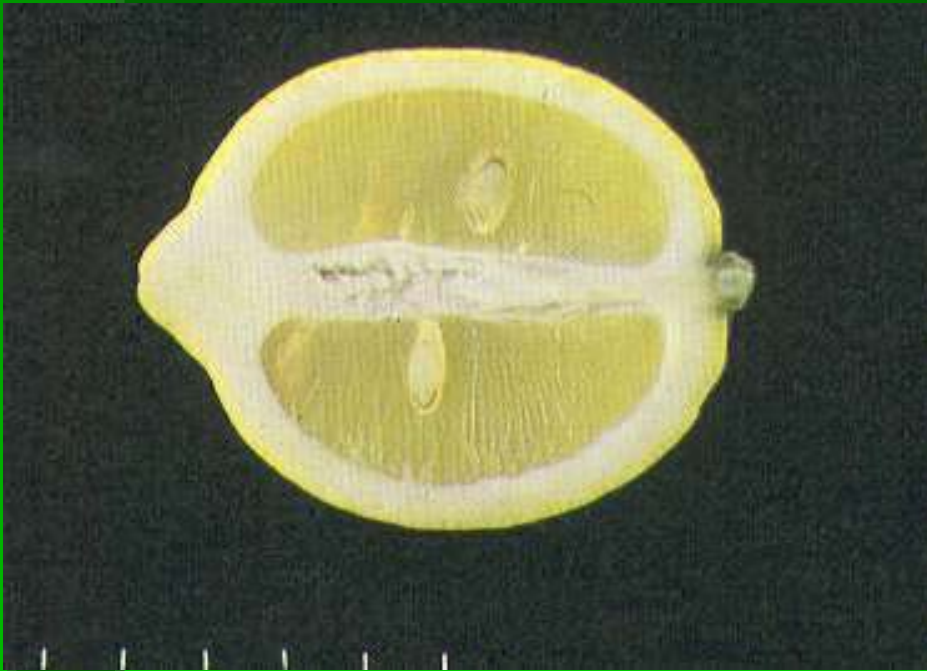


Cavers Lisbon



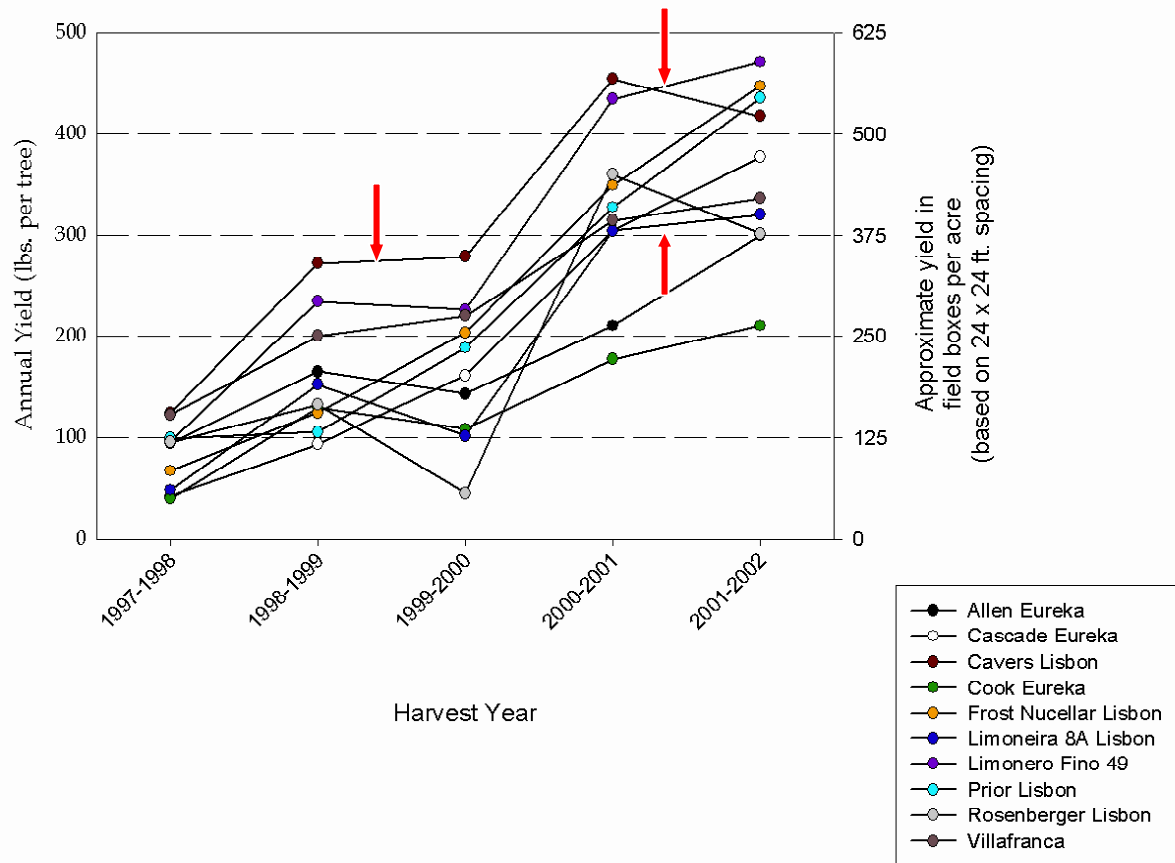
- **Early size**
- Good yield
- Fruits throughout tree
- Vigorous

Limoneiro Fino 49

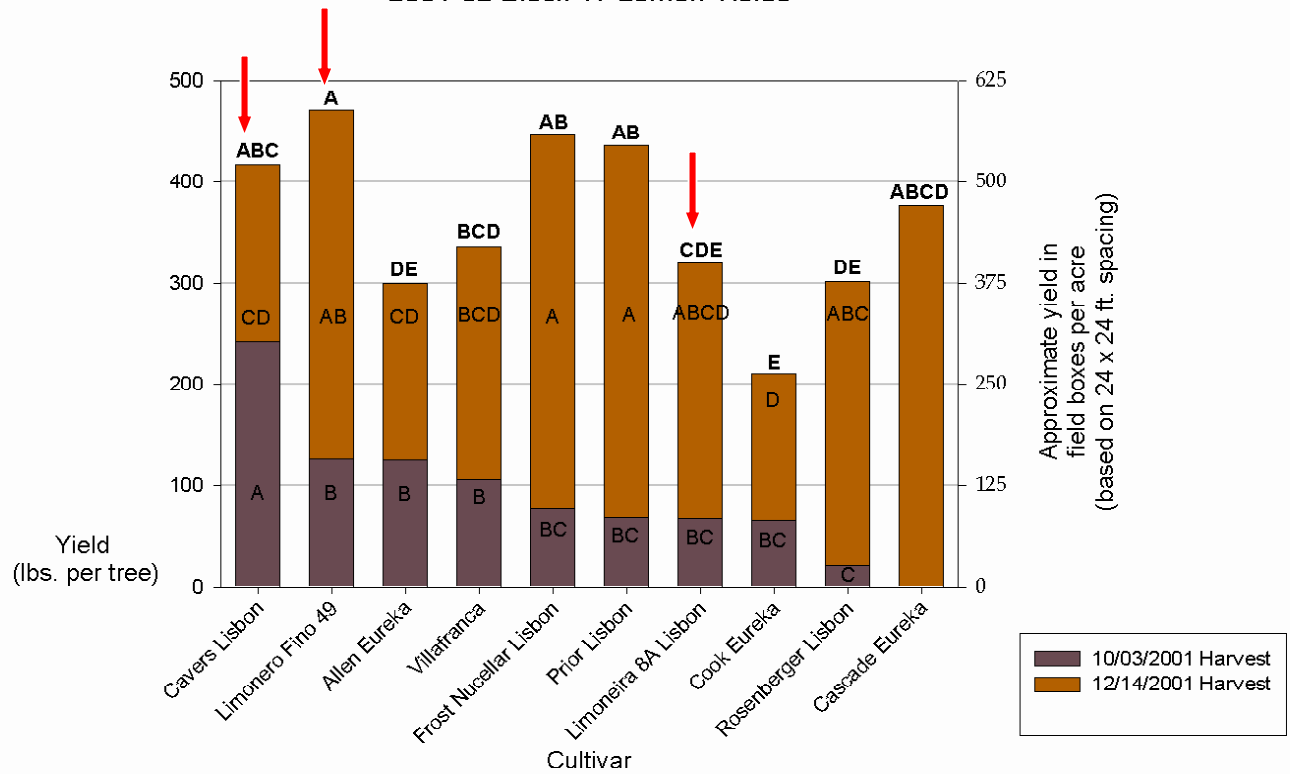


- Winter lemon of Spain
- **Early size**
- Good yield
- Thorny
- Fruits throughout tree
- Vigorous

1997-2002 Block 17 Lemon Yields

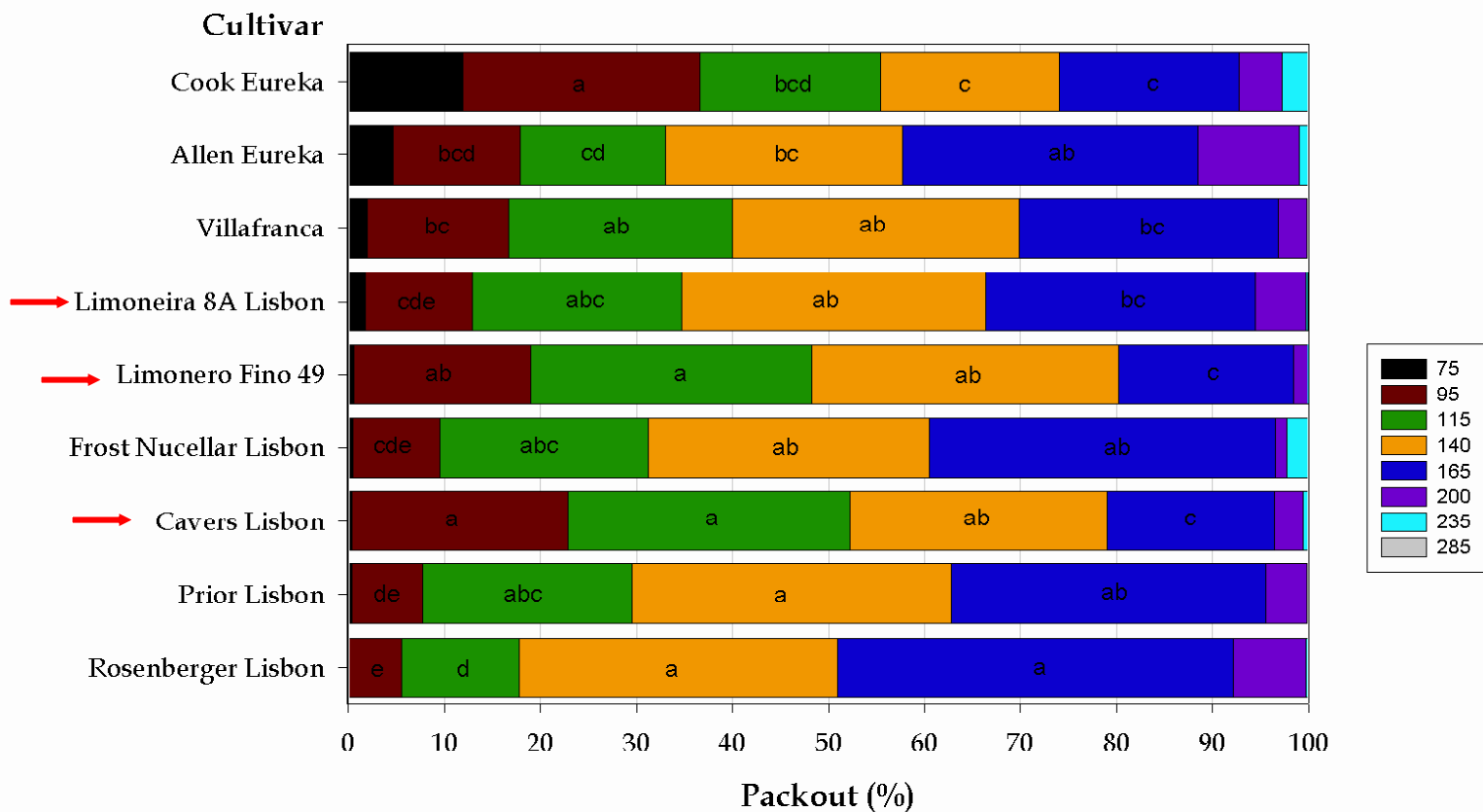


2001-02 Block 17 Lemon Yields



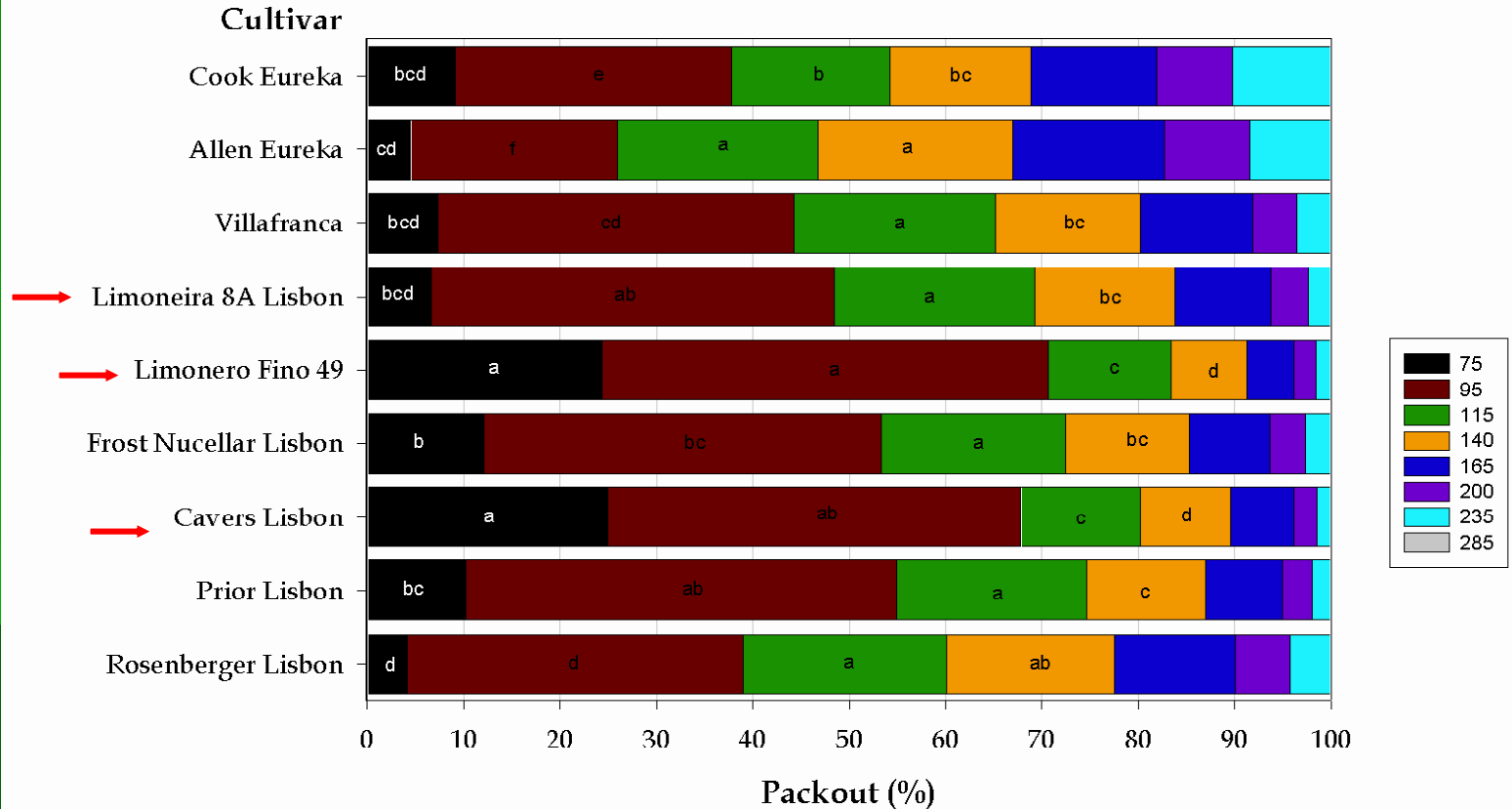
Letters indicate significant differences, within harvest dates or for total yield (bold letters), between cultivars tested.

2001-02 Block 17 Lemon Packout - 10/3/01 Harvest



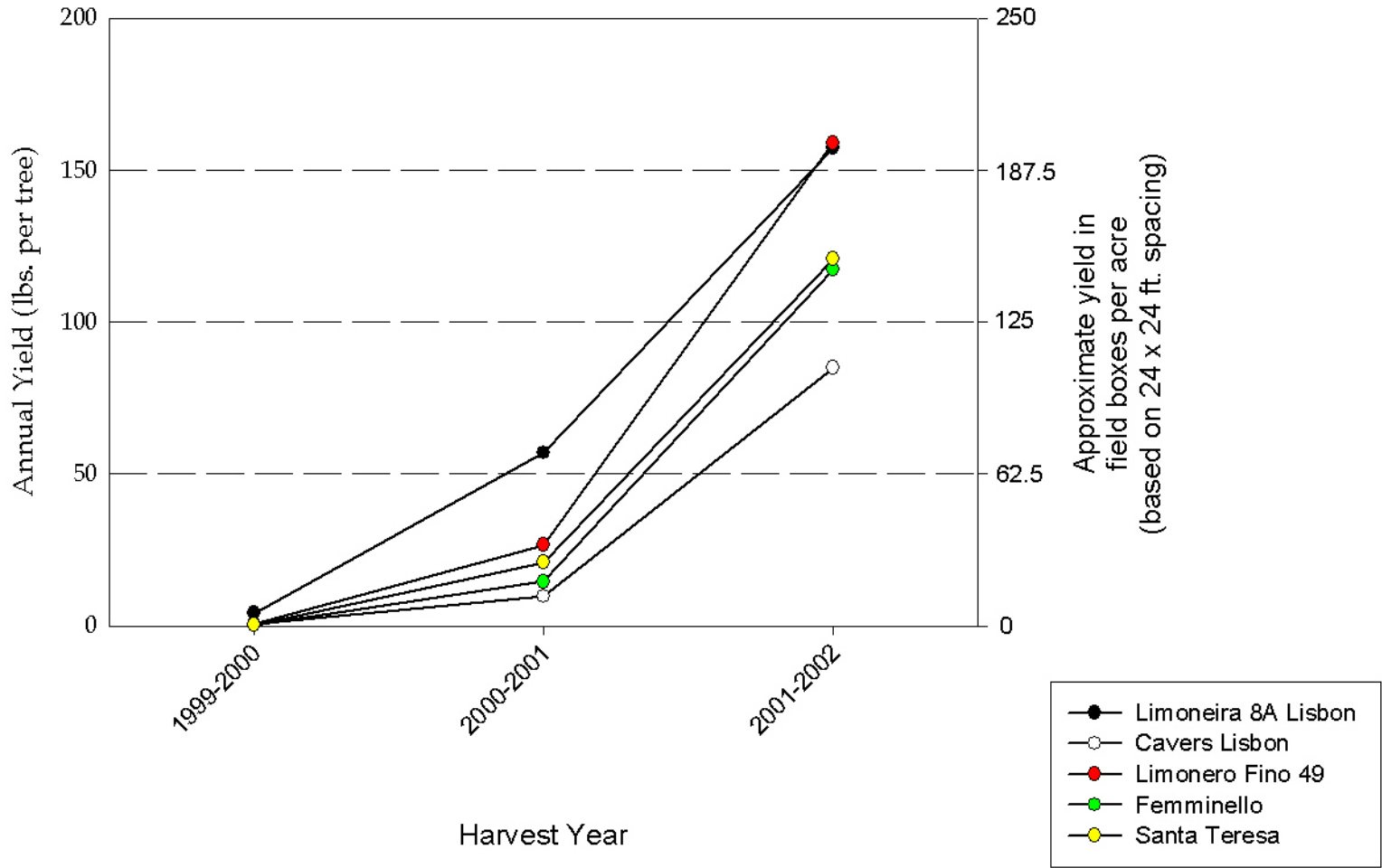
Letters indicate significant differences, within fruit sizes, between cultivars tested.

2001-02 Block 17 Lemon Packout - 12/14/01 Harvest

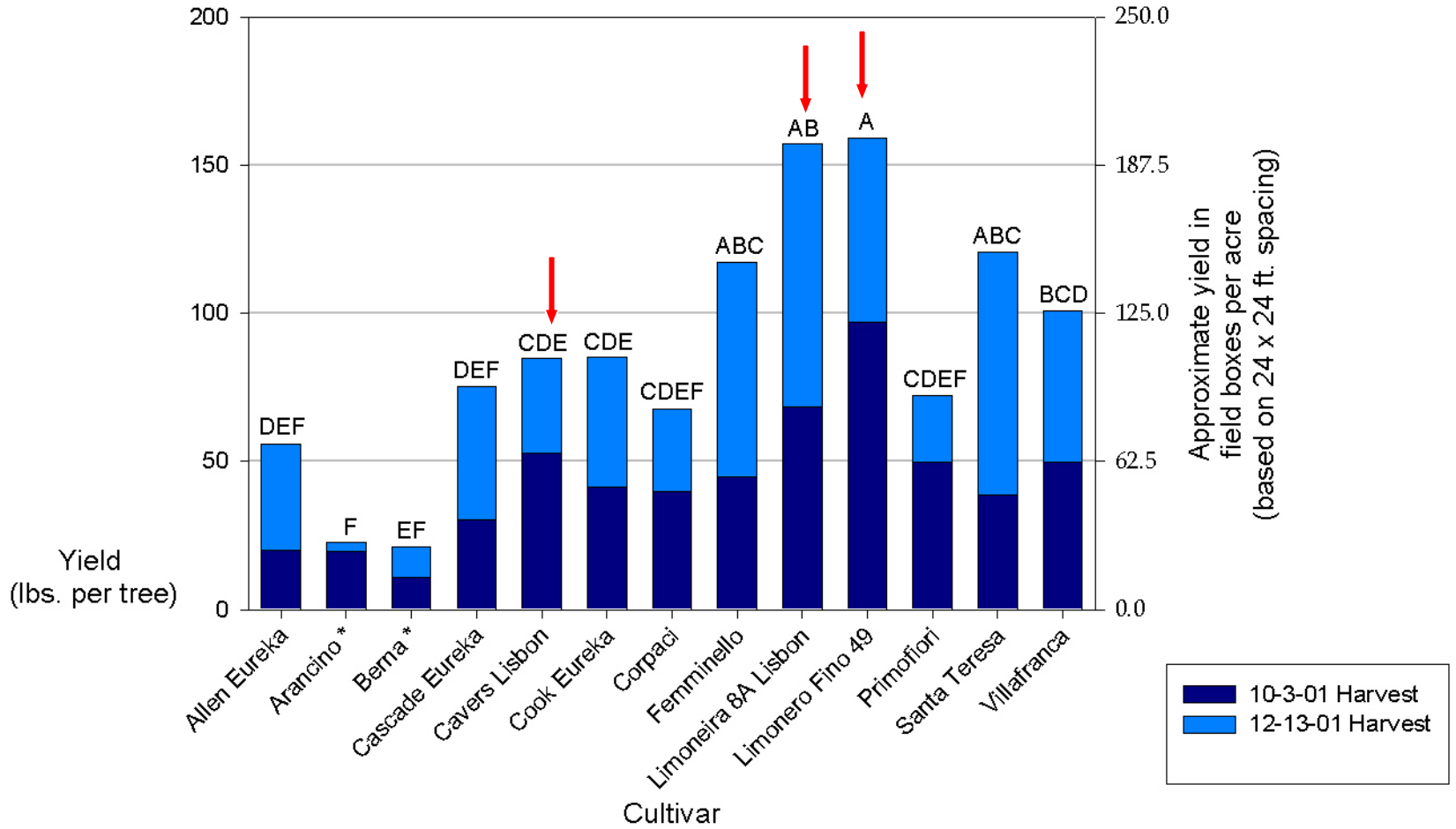


Letters indicate significant differences, within fruit sizes, between cultivars tested.

1999 -2002 Block 22 Lemon Yields



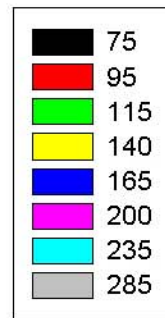
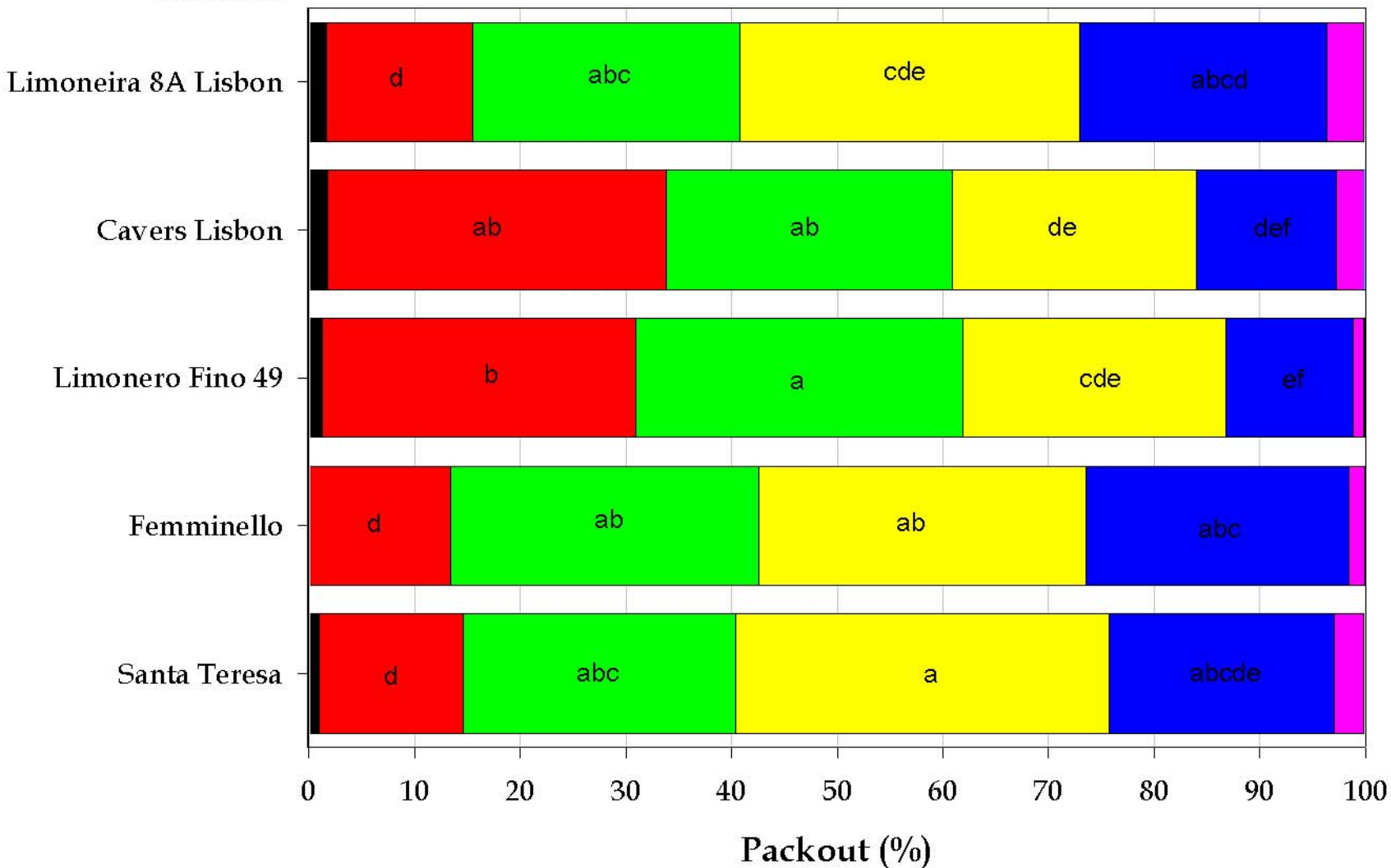
2001-02 Block 22 Lemon Yields



Letters indicate significant differences, within harvest dates or for total yield (bold letters), between cultivars tested.

2001-02 Block 22 Lemon Packout - 10/3/01 Harvest

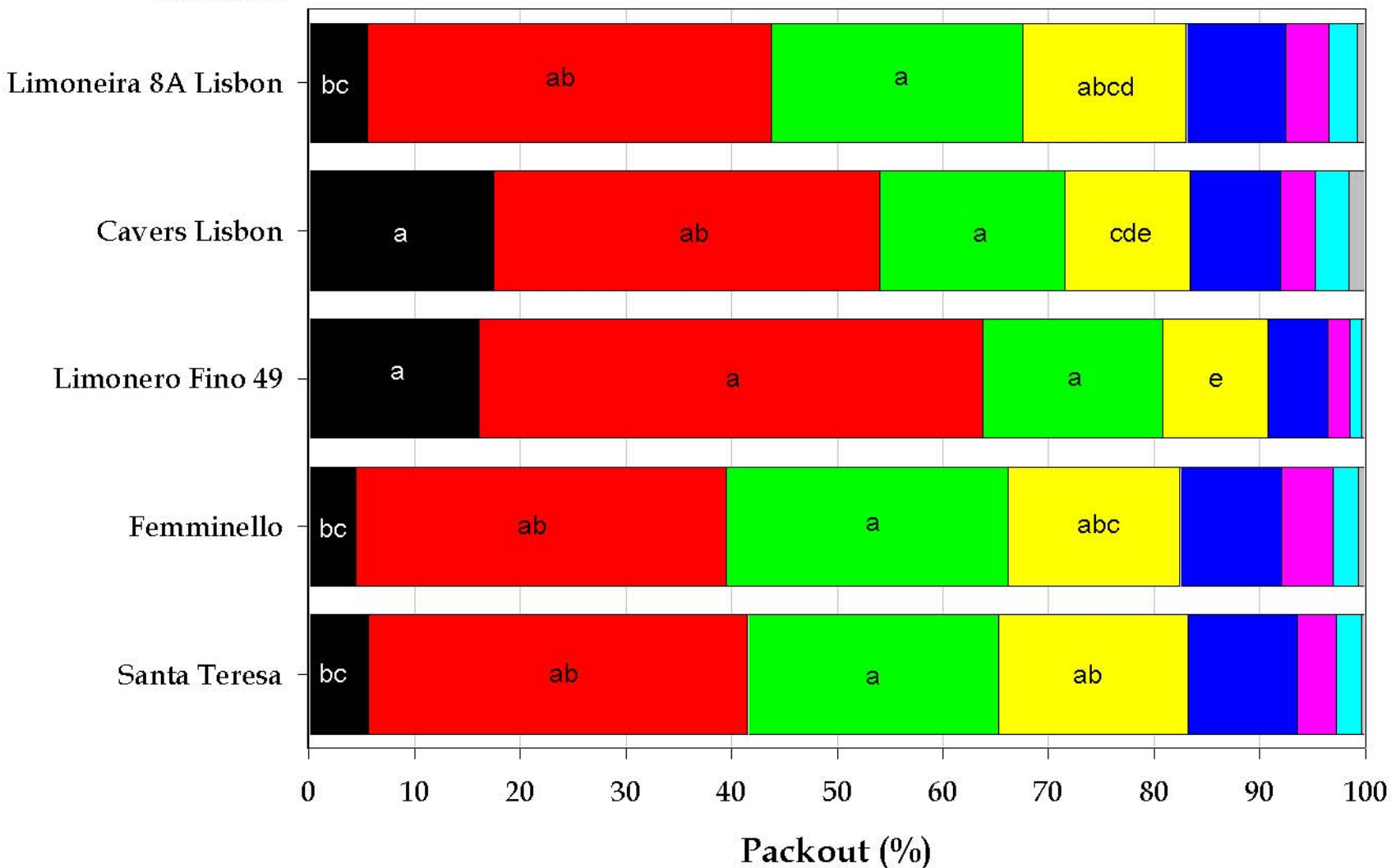
Cultivar



Letters indicate significant differences, within fruit sizes, between cultivars tested.

2001-02 Block 22 Lemon Packout - 12/13/01 Harvest

Cultivar



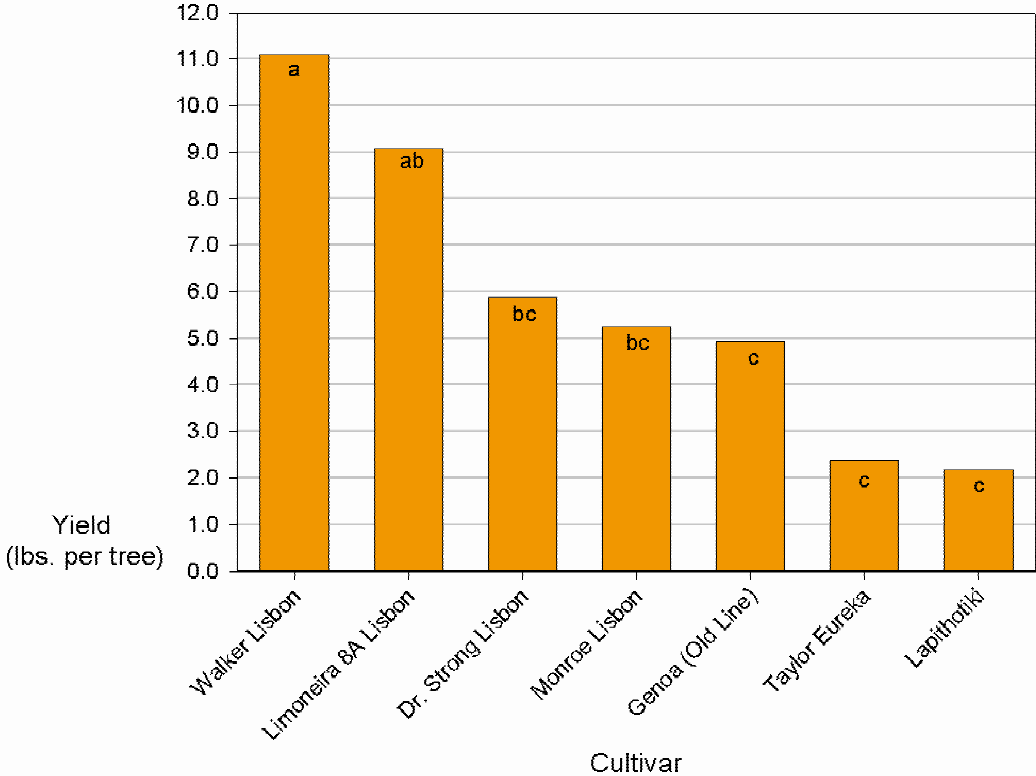
Letters indicate significant differences, within fruit sizes, between cultivars tested.

New Lemon Acquisitions

- Limonero Fino 49
- Cavers Lisbon
- Walker Lisbon
- Taylor Eureka
- Lapithotiki
- Genoa Old Line
- Monroe Lisbon
- Dr. Strong



2001-02 Block 14 Lemon Yields



Mandarins

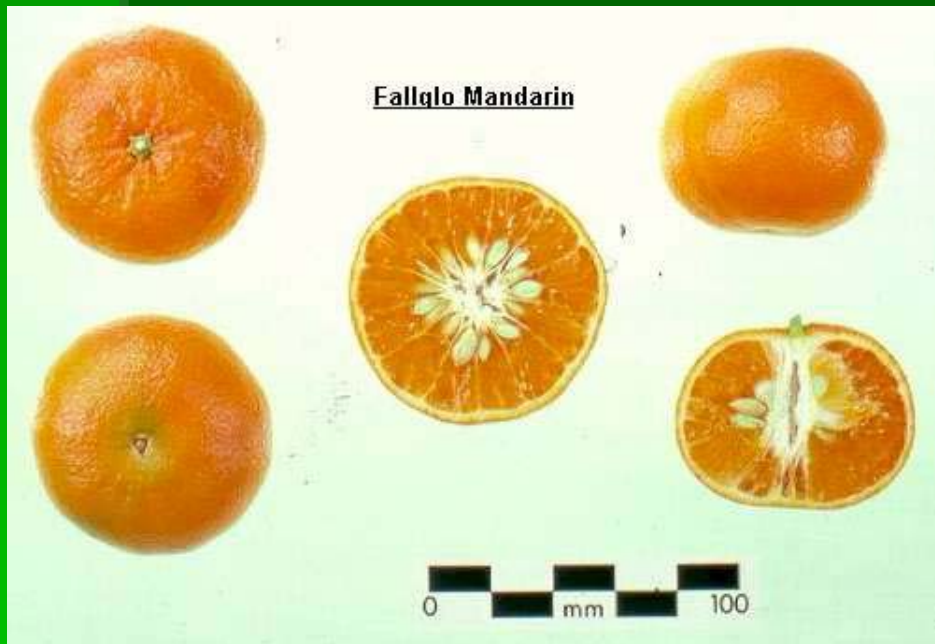
- Precocity
- High yields
- No granulation
- Easy peeling
- Seedless



Mandarins

- Fallglo Trial (Ending)
- Seedless Fallglo (Soon)
- Delite (Trial to be planted in 2003)
- TDE 1-4 (Soon)

Fallglo Mandarin



- Excellent size
- Good yield
- Does not typically granulate
- Easy to peel
- Early
- **Seedy!**

Fallglo Mandarin



W. Murcott Afourer (Delite)

- Easy to peel
- Does not apparently granulate
- Late fruit (January)
- Not so seedy especially if isolated
- Smaller fruit (Medium and Large)



Table 1. Cultivar Effects on Seediness and Internal Quality

<i>Scion</i>	<i>Seeds (#/fruit)</i>		<i>SSC (%)</i>		<i>Total Acid (%)</i>		<i>SSC/TA</i>	
C. Fina	b	9.67	b	10.88	e	1.06	c	10.33
C. Caffin	d	6.18	c	10.42	d	0.95	b	10.97
Clausellina	f	0.00	e	7.95	f	0.72	b	11.11
C. Aissa	e	8.64	bc	10.68	e	1.04	c	10.26
Fallglo	a	13.08	b	10.89	b	1.17	d	9.31
Kuno Wase	e	1.46	d	8.42	e	0.82	e	10.30
W. Murcott	d	6.07	a	12.87	d	0.94	a	13.80
C. Oroval	d	6.28	b	10.87	a	1.27	e	8.53

11/5/99

2/28/00

Table 2. Cultivar Effects on Yield in Terms of Pounds Per Tree and fruit Number in Each Size Category

<i>Scion</i>	<i>Yield (lbs.)</i>		<i>Small</i>	<i>Medium</i>	<i>Large</i>	<i>Jumbo</i>	<i>Mammoth</i>	<i>Colossal</i>	<i>Super Colossal</i>							
C. Fina	bc	54.13	a	13.64	a	186.42	b	120.97	c	8.08	d	0.75	b	0.17	b	0.19
C. Caffin	e	15.53	bc	5.61	cd	32.97	e	34.97	e	11.11	d	0.19	b	0.03	b	0.03
Clausellina	e	17.10	cd	0.34	de	2.57	cd	11.71	e	29.17	b	15.37	b	0.46	b	0.00
C. Aissa	cd	49.61	bcd	5.47	b	130.39	ab	142.31	e	11.47	d	0.25	b	0.06	b	0.03
Fallglo	e	24.14	d	0.00	e	0.03	d	0.61	e	17.94	a	46.14	b	0.42	b	0.03
Kuno Wase	d	37.69	d	0.06	e	0.44	cd	3.08	e	22.89	a	55.78	a	10.64	a	3.86
W. Murcott	a	84.11	b	7.83	e	45.94	a	169.36	a	180.28	bc	12.86	b	0.14	b	0.06
C. Oroval	b	64.10	cd	0.94	e	41.69	a	164.75	b	99.22	cd	4.89	b	0.03	b	0.06

11/5/99

2/28/00