

***Rice Outlook Slide Show  
U.S. and World  
April 10, 2018***

***Bobby Coats, Ph.D.***

***Professor – Economics***

***Department of Agricultural Economics and Agribusiness***

***University of Arkansas System***

***Division of Agriculture***

***Cooperative Extension Service***

***501.671.2195 – [recoats@uark.edu](mailto:recoats@uark.edu)***

***World Rice***  
***USDA Supply and Demand Estimates***  
***Slide Show***  
***April 10, 2018***



United States  
Department of  
Agriculture

Foreign  
Agricultural  
Service

August 2017

**Grain:**  
**World Markets and Trade**

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# World Rice Production

Country or Region	2016/17 estimate	2017/18 forecast	Change from March 8	Change from 2016/17
<i>Million Tons</i>				
<b>World</b>	<b>486.2</b>	<b>487.5</b>	<b>1.20</b>	<b>1.3</b>
United States	7.1	5.7	--	-1.5
<b>Foreign</b>	<b>479.0</b>	<b>481.8</b>	<b>1.20</b>	<b>2.8</b>
Argentina	0.9	0.8	--	-0.1
Brazil	8.4	8.1	0.26	-0.3
Egypt	4.8	4.3	--	-0.5
Bangladesh	34.6	32.7	--	-1.9
Burma	12.7	13.2	0.25	0.5
Cambodia	4.9	5.0	--	0.1
China	145.0	146.0	--	1.0
India	109.7	110.0	--	0.3
Indonesia	36.9	37.0	--	0.1
Japan	7.8	7.6	-0.01	-0.2
Sri Lanka	2.0	2.5	0.23	0.5
Pakistan	6.9	7.5	0.30	0.6
Philippines	11.7	12.3	0.33	0.6
Thailand	19.2	20.4	-0.03	1.2
Vietnam	27.4	28.5	--	1.0

-- No change

April 10, 2018

# World Rice Supply and Use

	<b>2016/17 estimate</b>	<b>2017/18 forecast</b>	<b>Change from March 8</b>	<b>Change from 2016/17</b>
	<i>Million Tons, milled</i>			
<b>Beginning stocks</b>	<b>132.7</b>	<b>137.1</b>	<b>-0.18</b>	<b>4.4</b>
<b>Production</b>	<b>486.2</b>	<b>487.5</b>	<b>1.20</b>	<b>1.3</b>
<b>Total Supply</b>	<b>618.9</b>	<b>624.6</b>	<b>1.02</b>	<b>5.7</b>
<b>Total use</b>	<b>481.8</b>	<b>480.1</b>	<b>-0.34</b>	<b>-1.6</b>
<b>Trade</b>	<b>47.4</b>	<b>48.1</b>	<b>0.80</b>	<b>0.8</b>
<b>Ending Stocks</b>	<b>137.1</b>	<b>144.4</b>	<b>1.36</b>	<b>7.3</b>

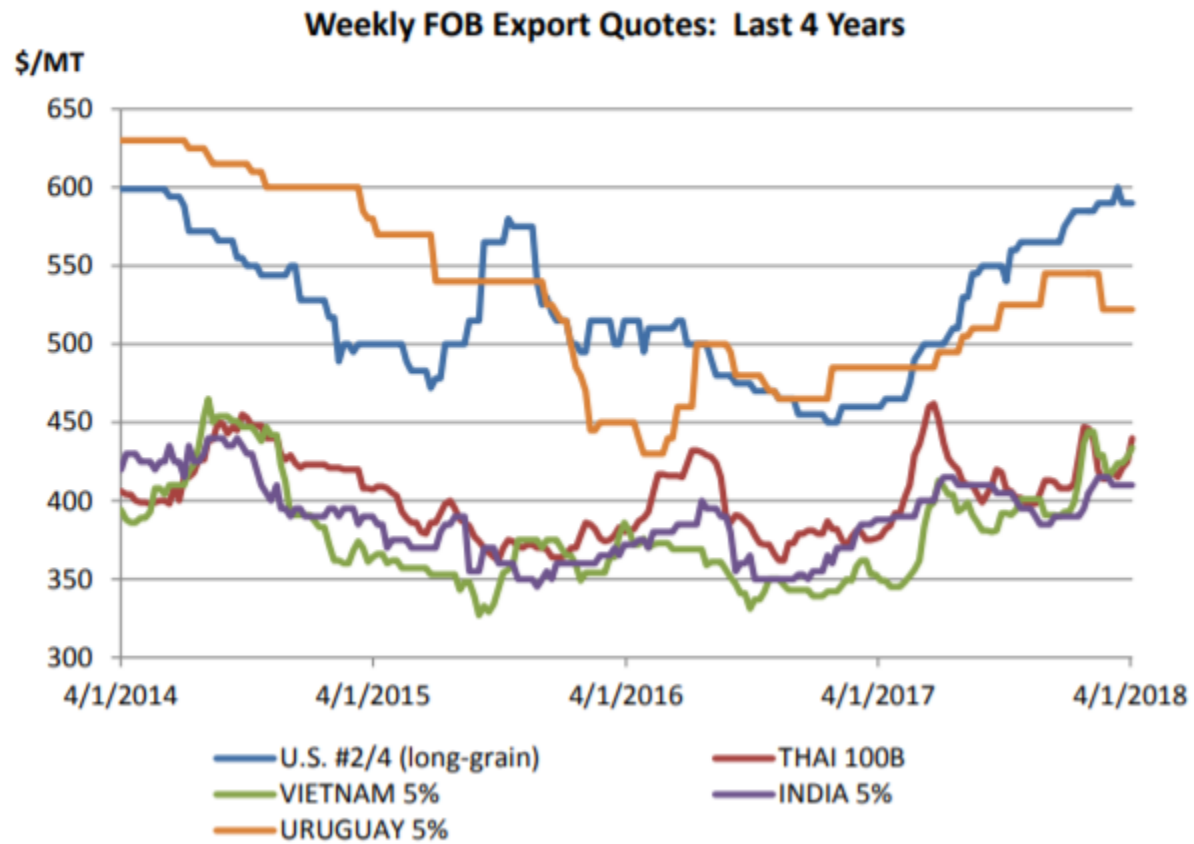
## World Rice: Supply and Demand

Millions of Metric Tons/Hectares

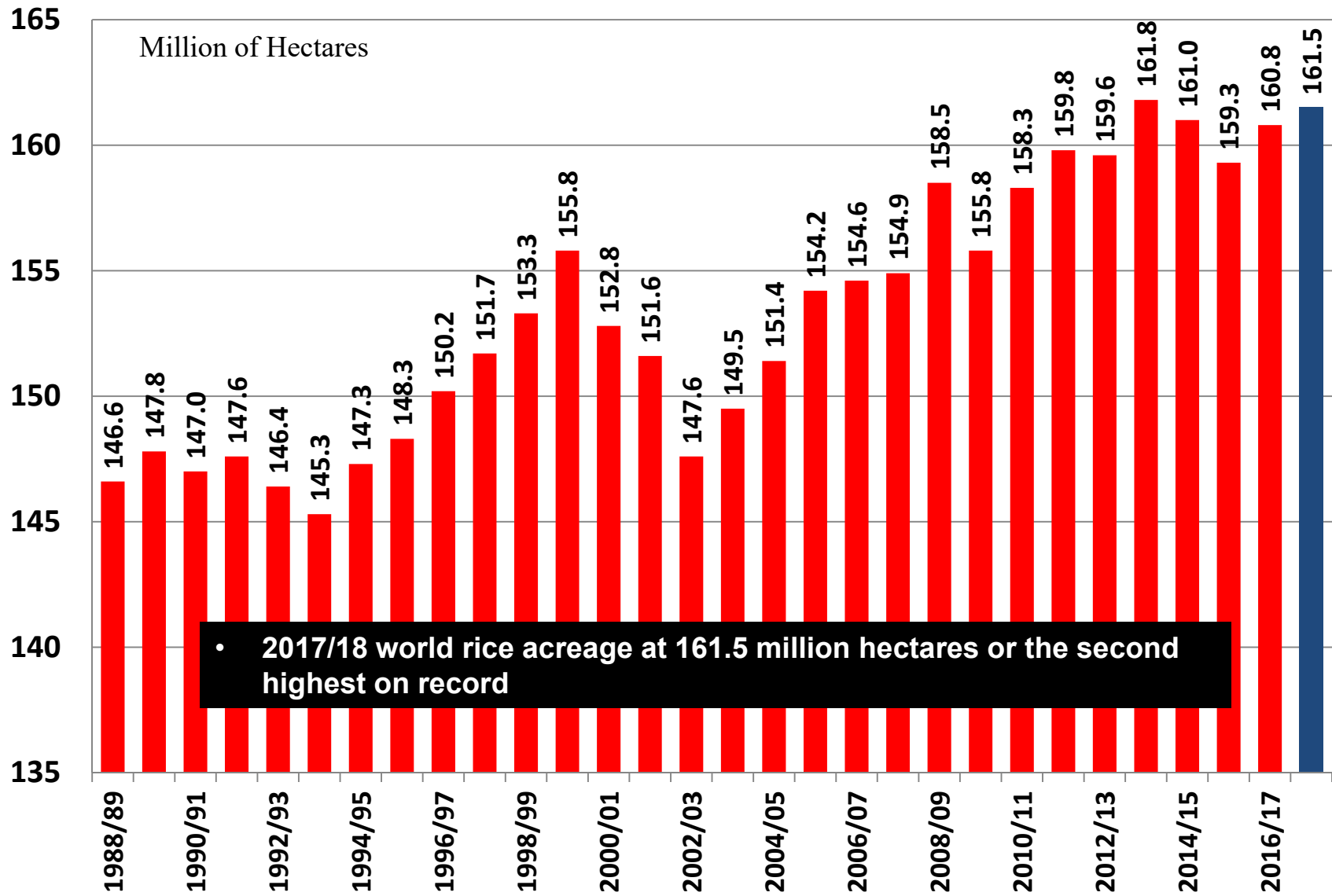
	Area Harvested	Yield	Rough Productio n	Productio n	TY Exports	Domestic Consumpti	Ending Stocks
<b>Rice, Milled</b>							
1988/89	146.6	3.3	490.8	332.1	14.0	325.7	111.6
1989/90	147.8	3.5	510.4	345.3	11.7	336.4	120.6
1990/91	147.0	3.5	519.5	351.4	12.3	345.4	126.6
1991/92	147.6	3.5	522.9	353.3	14.4	353.3	126.7
1992/93	146.4	3.6	524.0	353.9	14.9	357.4	123.1
1993/94	145.3	3.6	526.0	354.7	16.6	358.9	118.9
1994/95	147.3	3.7	539.9	364.1	20.8	365.5	117.6
1995/96	148.3	3.7	547.3	368.8	19.7	368.2	118.1
1996/97	150.2	3.8	563.8	380.4	18.9	378.2	120.3
1997/98	151.7	3.8	575.2	387.4	27.6	379.9	127.7
1998/99	153.3	3.8	586.9	394.9	24.8	388.6	134.0
1999/00	155.8	3.9	608.8	409.3	22.8	400.2	143.1
2000/01	152.8	3.9	594.0	399.2	24.3	395.6	146.7
2001/02	151.6	3.9	594.2	399.4	27.9	413.1	132.9
2002/03	147.6	3.8	562.9	378.1	27.5	408.0	103.0
2003/04	149.5	3.9	585.3	392.5	27.3	413.8	81.6
2004/05	151.4	3.9	596.4	400.8	28.9	408.5	74.0
2005/06	154.2	4.0	622.3	417.9	29.0	415.4	76.5
2006/07	154.6	4.0	625.1	420.1	31.8	421.2	75.4
2007/08	154.9	4.2	643.6	433.6	29.6	428.1	80.9
2008/09	158.5	4.2	669.5	449.9	29.4	437.6	93.2
2009/10	155.8	4.2	655.2	440.0	31.8	438.0	95.2
2010/11	158.3	4.2	671.8	450.2	36.5	445.5	99.9
2011/12	159.8	4.4	697.4	467.7	40.0	458.5	109.2
2012/13	159.6	4.4	706.5	473.8	39.5	464.1	118.8
2013/14	161.8	4.4	713.9	478.7	44.1	475.5	122.0
2014/15	161.0	4.4	715.0	479.5	42.6	473.7	127.9
2015/16	159.3	4.4	705.1	472.9	40.2	468.1	132.7
2016/17	160.8	4.5	725.5	486.2	48.0	481.8	137.1
2017/18	161.5	4.5	727.3	487.5	48.6	480.1	144.4

Notes: Stocks, exports and consumption are expressed on a milled basis in marketing years.

## PRICES



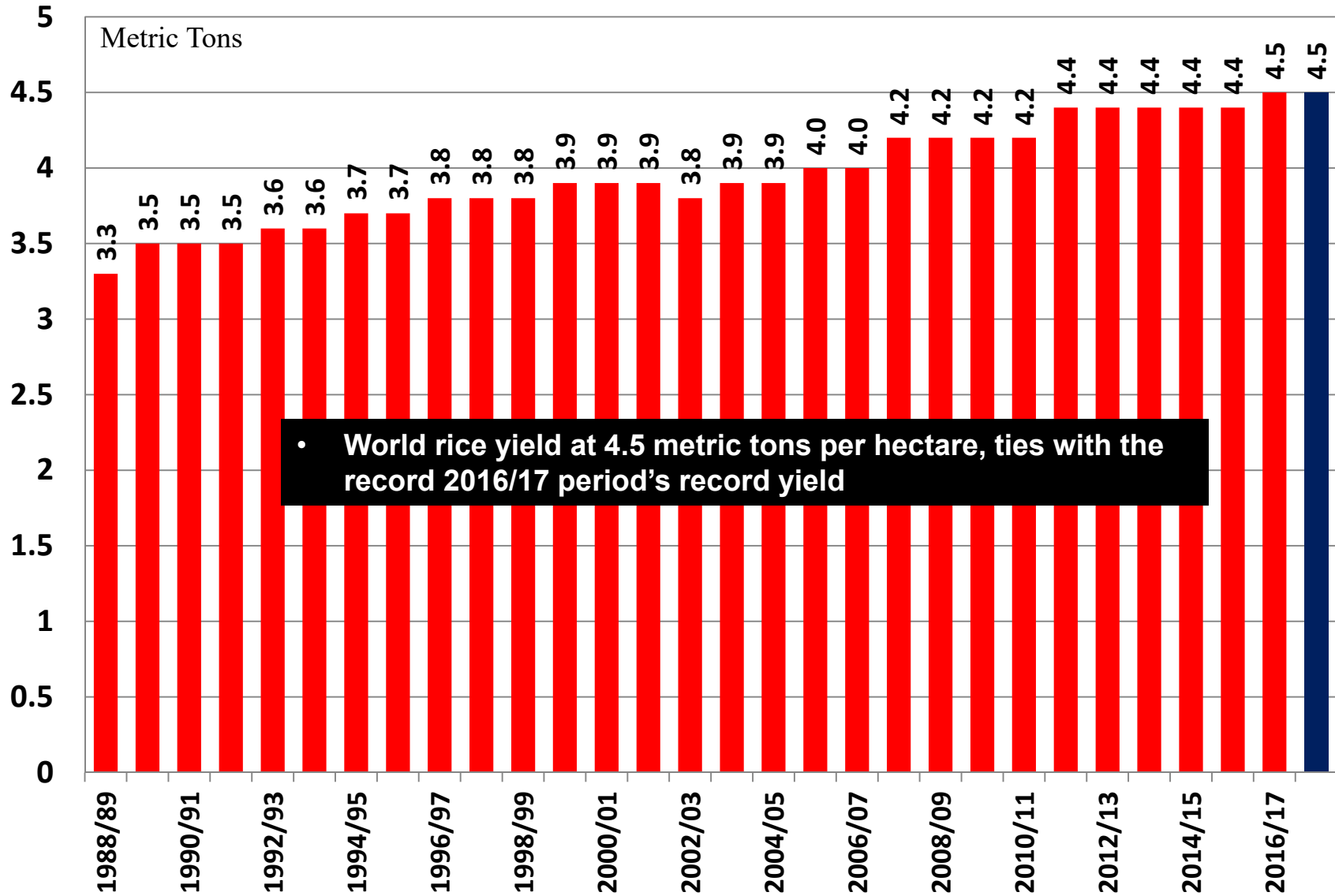
# World Rice Area Harvested 1988/89-2017/18



• 2017/18 world rice acreage at 161.5 million hectares or the second highest on record

Source: USDA

# World Rice Yield (Rough) 1988/89-2017/18

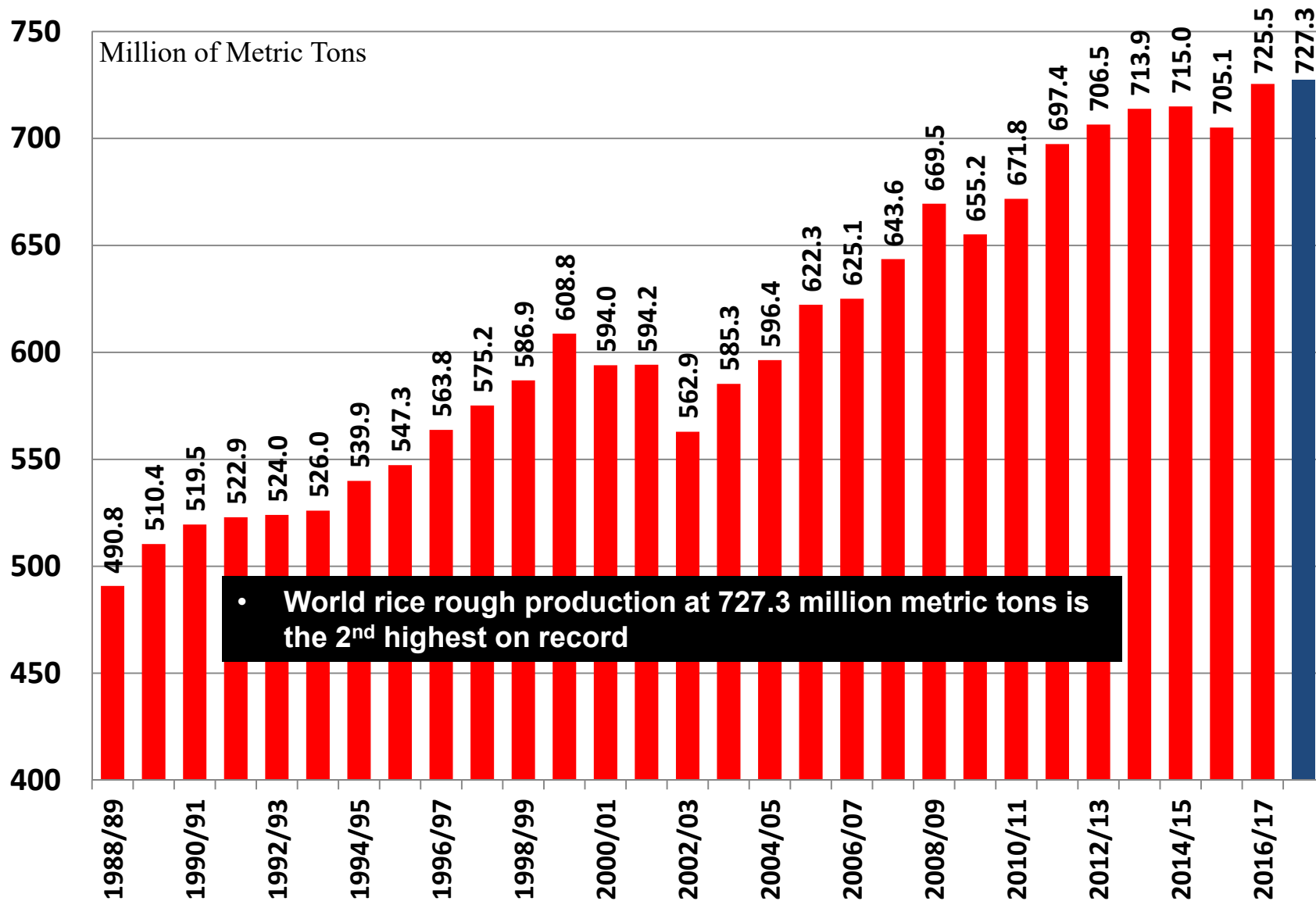


• World rice yield at 4.5 metric tons per hectare, ties with the record 2016/17 period's record yield

Source: USDA



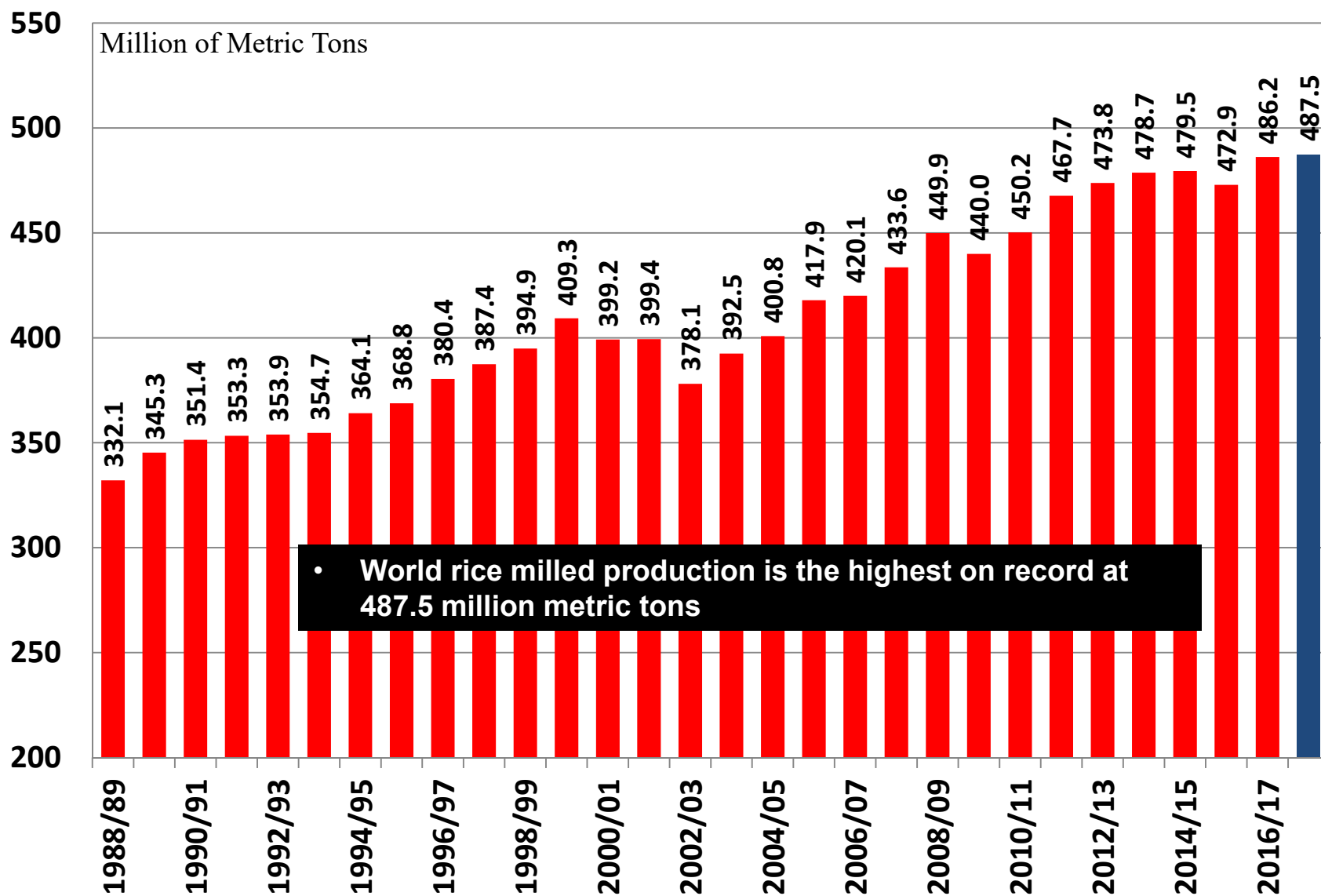
# World Rice Rough Production 1988/89-2017/18



• World rice rough production at 727.3 million metric tons is the 2<sup>nd</sup> highest on record

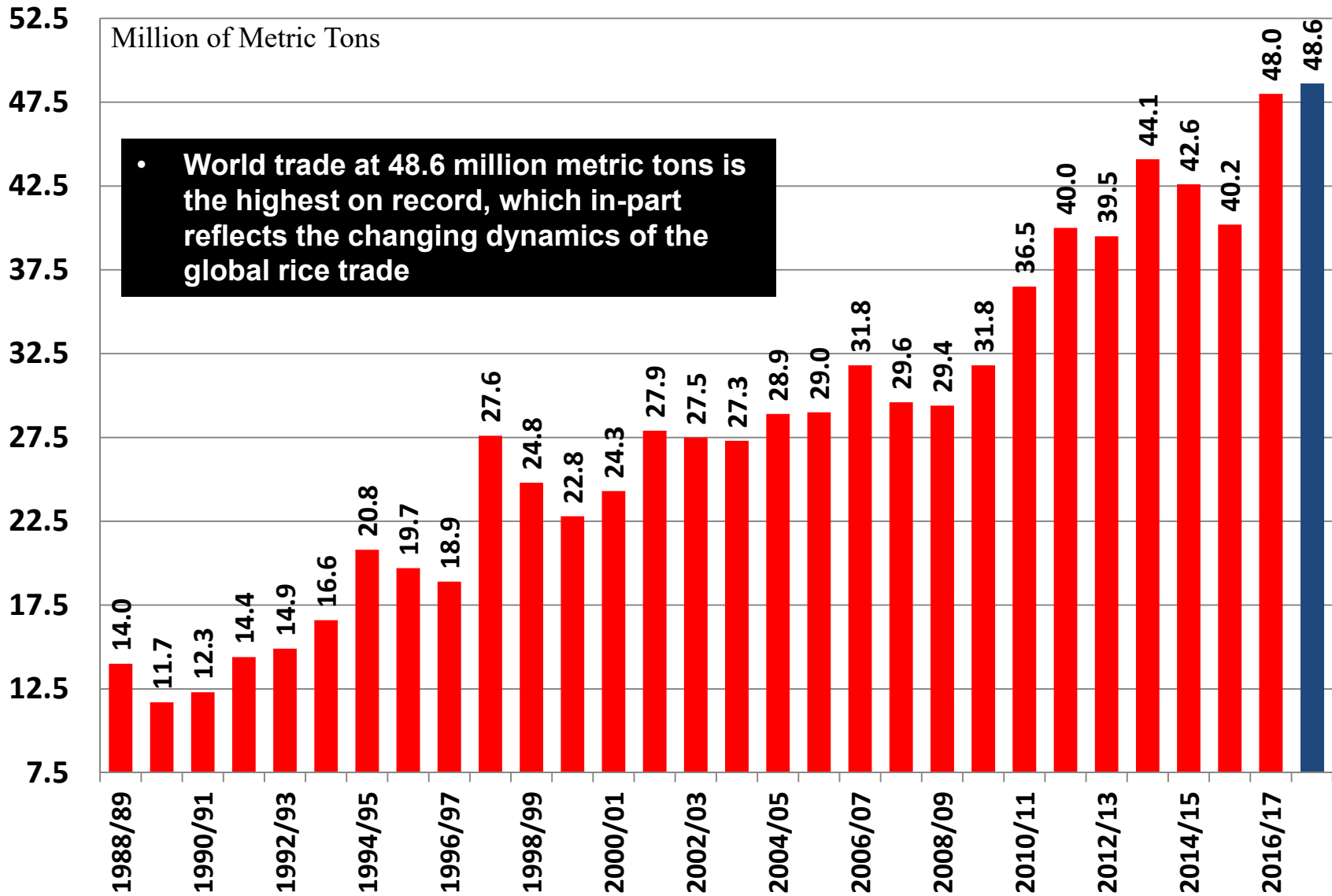
Source: USDA

# World Rice Milled Production 1988/89-2017/18



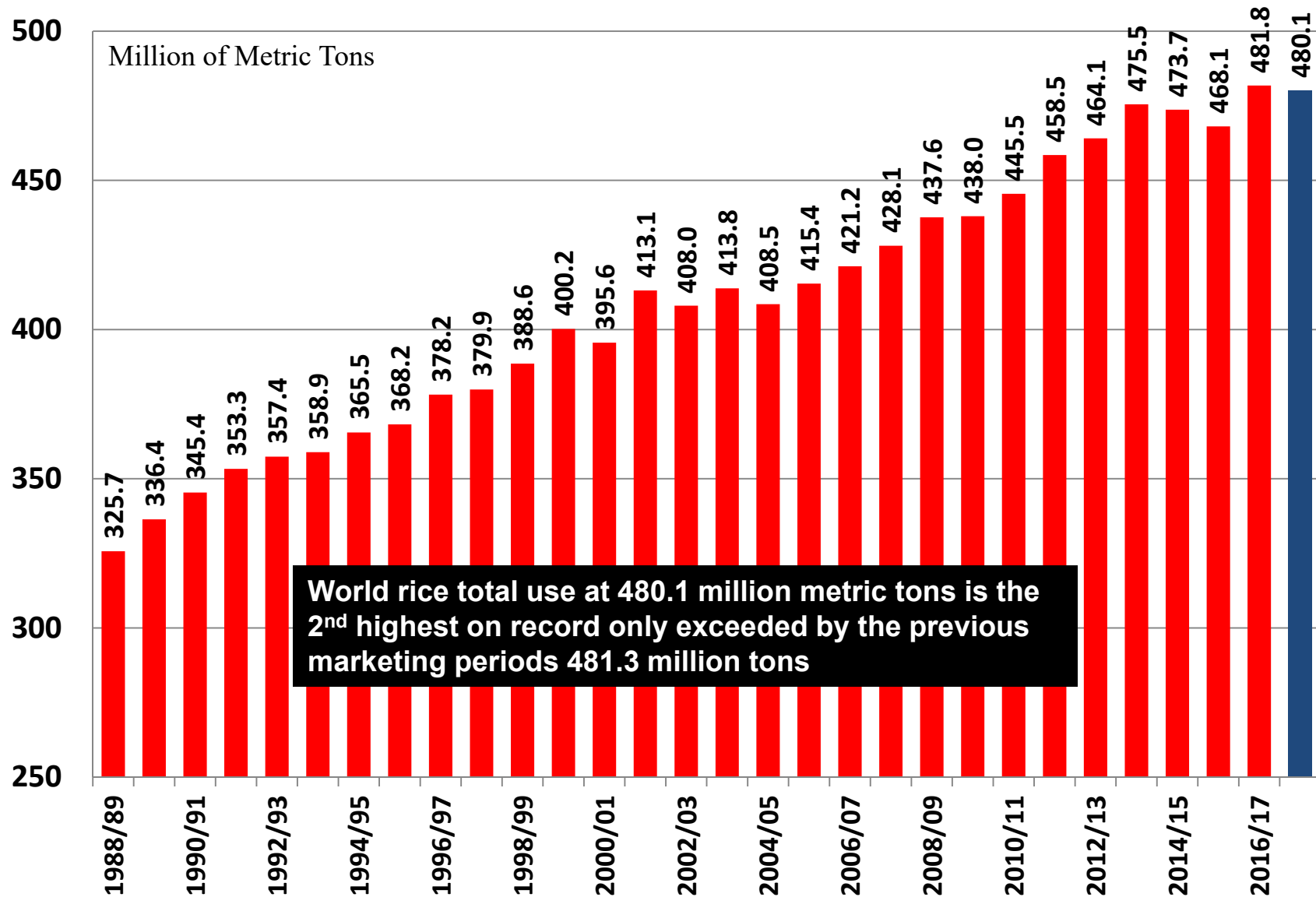
Source: USDA

# World Rice Trade Year Exports Calendar 1988/89-2017/18



Source: USDA

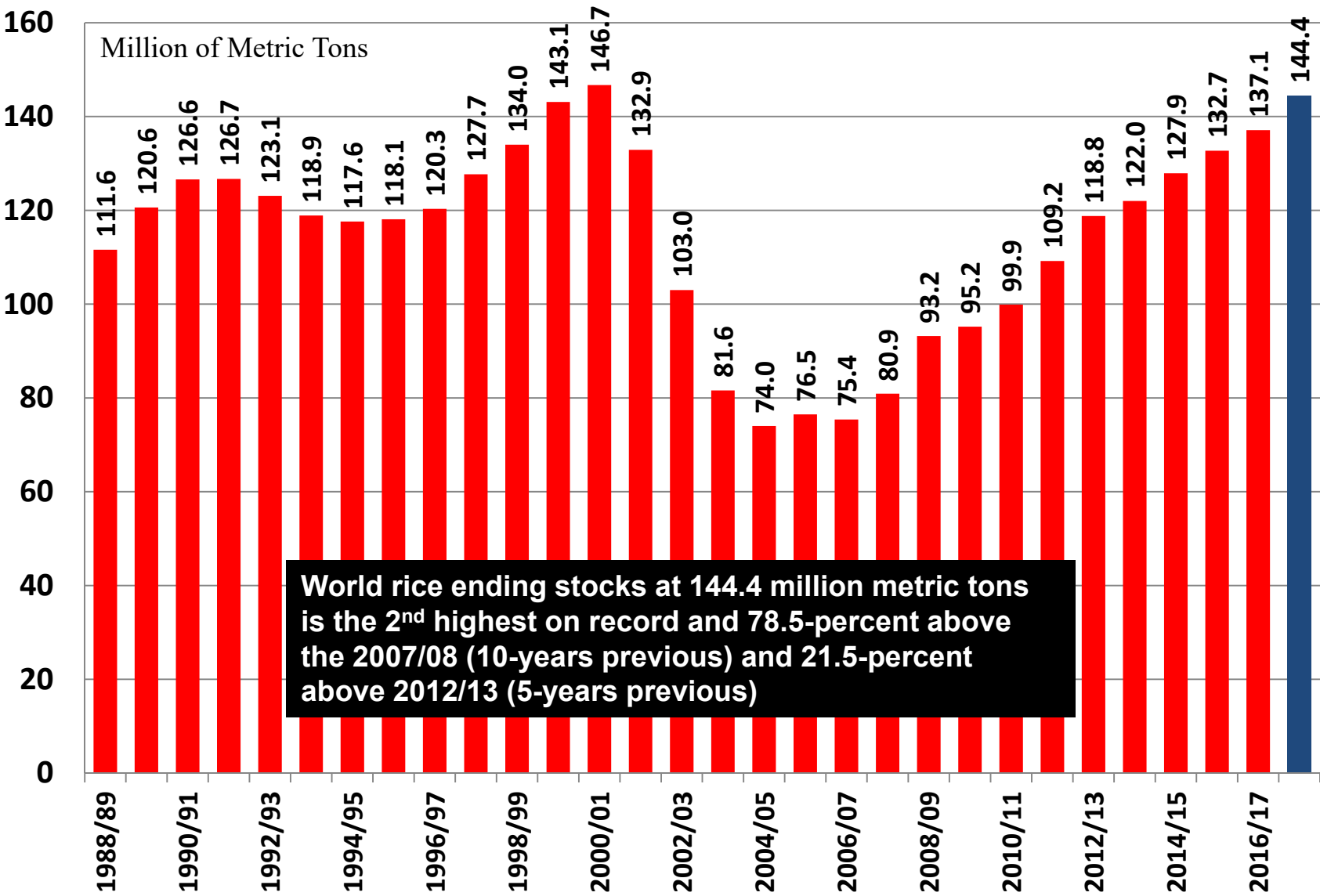
# World Rice Total Use 1988/89-2017/18



World rice total use at 480.1 million metric tons is the 2<sup>nd</sup> highest on record only exceeded by the previous marketing periods 481.3 million tons

Source: USDA

# World Rice Ending Stocks 1988/89-2017/18



World rice ending stocks at 144.4 million metric tons is the 2<sup>nd</sup> highest on record and 78.5-percent above the 2007/08 (10-years previous) and 21.5-percent above 2012/13 (5-years previous)

Source: USDA

***U.S. Long-Grain Rice  
USDA Supply and Demand  
Estimates  
Slide Show  
April 10, 2018***

**RICE:** U.S. 2017/18 rice ending stocks are raised 4.1 million cwt to 33.3 million, mostly on decreased exports. These ending stock levels still remain below the 5-year average. The 4.0-million-cwt decrease in exports is divided evenly between long-grain and medium- and short-grain. Rough and milled rice exports are also lowered by 3.0 and 1.0 million cwt, respectively. The export reduction reflects a slow pace to date as well as increased competition in core Western Hemisphere export markets. The all-rice season average farm price is raised \$0.10 per cwt at the midpoint to a range of \$12.40 to \$12.80. This increased price is all due to higher projected medium- and short-grain prices.

Global 2017/18 rice production is raised 1.2 million tons to a new record led by 0.3-million-ton increases each for Brazil, Burma, Pakistan, and the Philippines. Global rice exports are raised 0.8 million tons with a 0.3-million-ton increase for Thailand and 0.2-million-ton increases each for Burma, India, and Pakistan. Imports are raised 0.5 million tons for Indonesia and 0.3 million tons for Bangladesh. Global domestic use is reduced fractionally. With supplies increasing and total use decreasing, world ending stocks are raised 1.4 million tons to 144.4 million and are the second highest stocks on record.

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U.S. Rice Supply and Use 1/

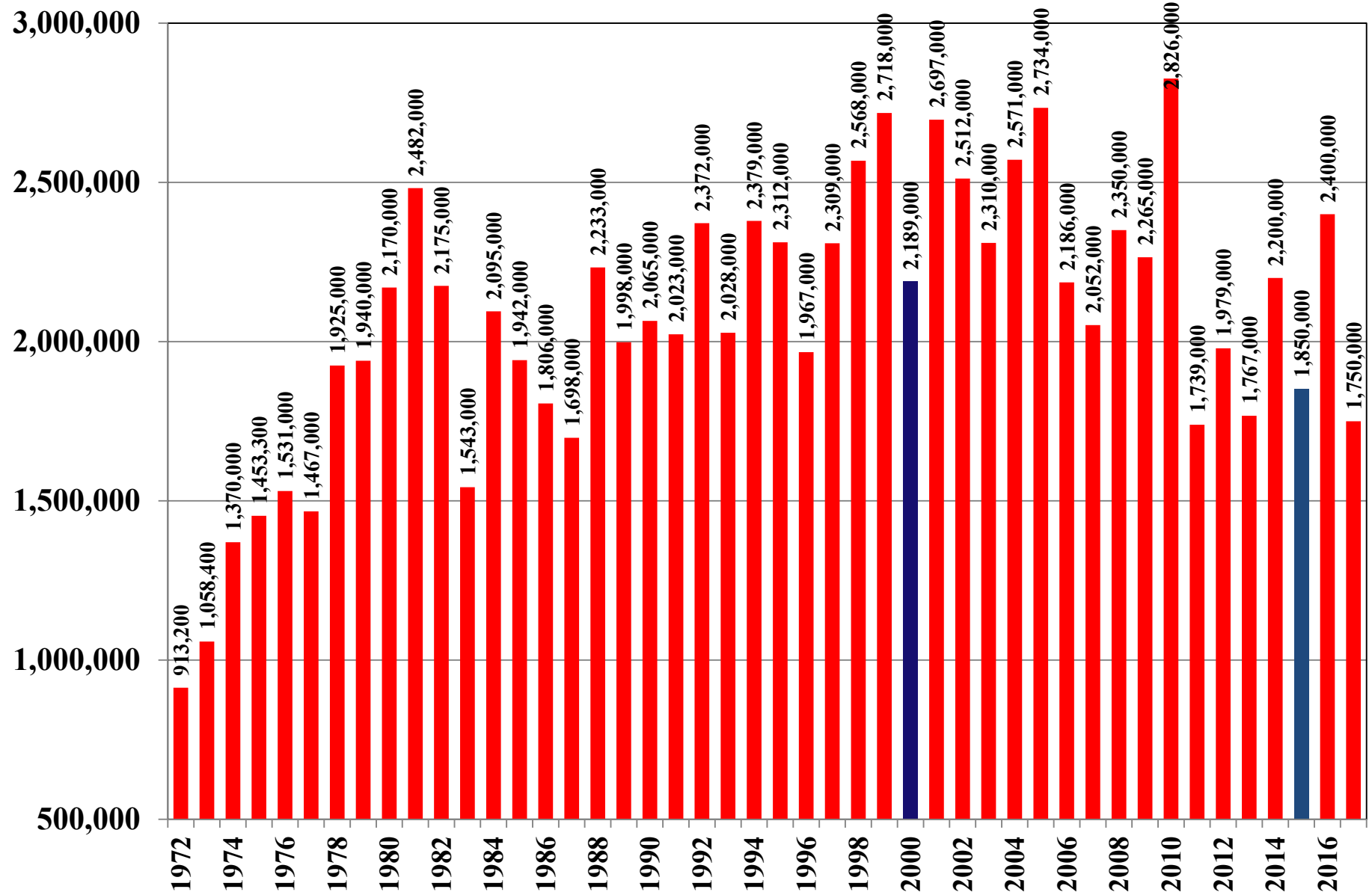
(Rough Equivalent of Rough and Milled Rice)

<b>LONG-GRAIN RICE</b>	2015/1	2016/17	2017/18 Proj. Mar	2017/18 Proj. Apr
Harvested Acres (mil.)	1.85	2.4	1.75	1.75
Yield (pounds/acre)	7219	6927	7314	7314
Beginning Stocks	26.5	22.7	31	31
Production	133.4	166.5	127.9	127.9
Supply, Total 7/	180.7	209.4	180.4	180.4
Domestic & Residual 3/	82.1	99.7	93	92
Exports 8/	75.9	78.7	71	69
Use, Total	158	178.4	164	161
Ending Stocks	22.7	31	16.4	19.4
Avg. Farm Price (\$/cwt) 6/	11.2	9.61	11.40 - 12.00	11.50 - 11.90

**The long grain rice season-average farm price range is \$11.50 - \$11.90 per cwt or \$5.18 - \$5.36 per bus**

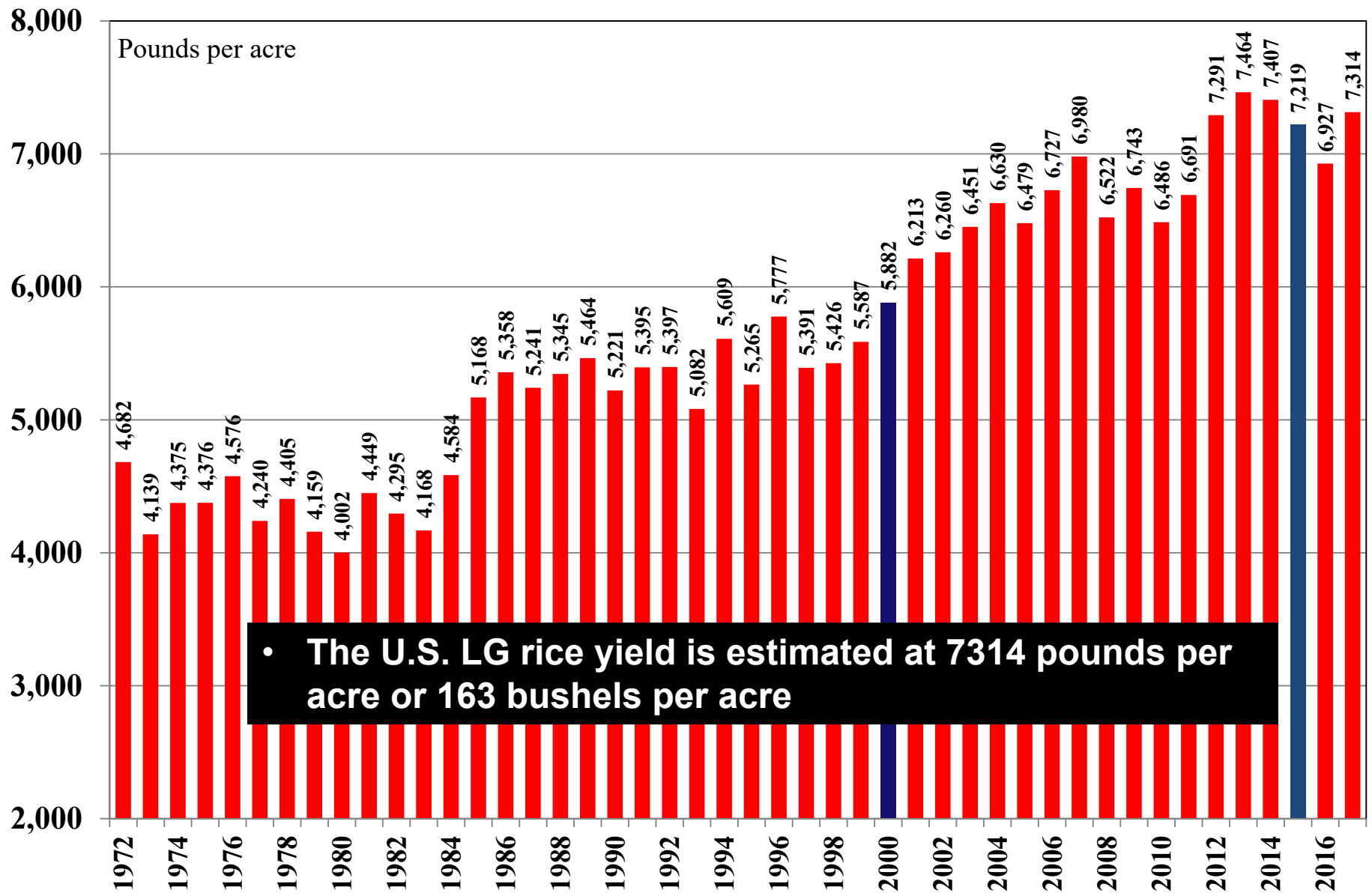


# U.S. Long Grain Rice Harvested Acres 1972/73 – 2016/17



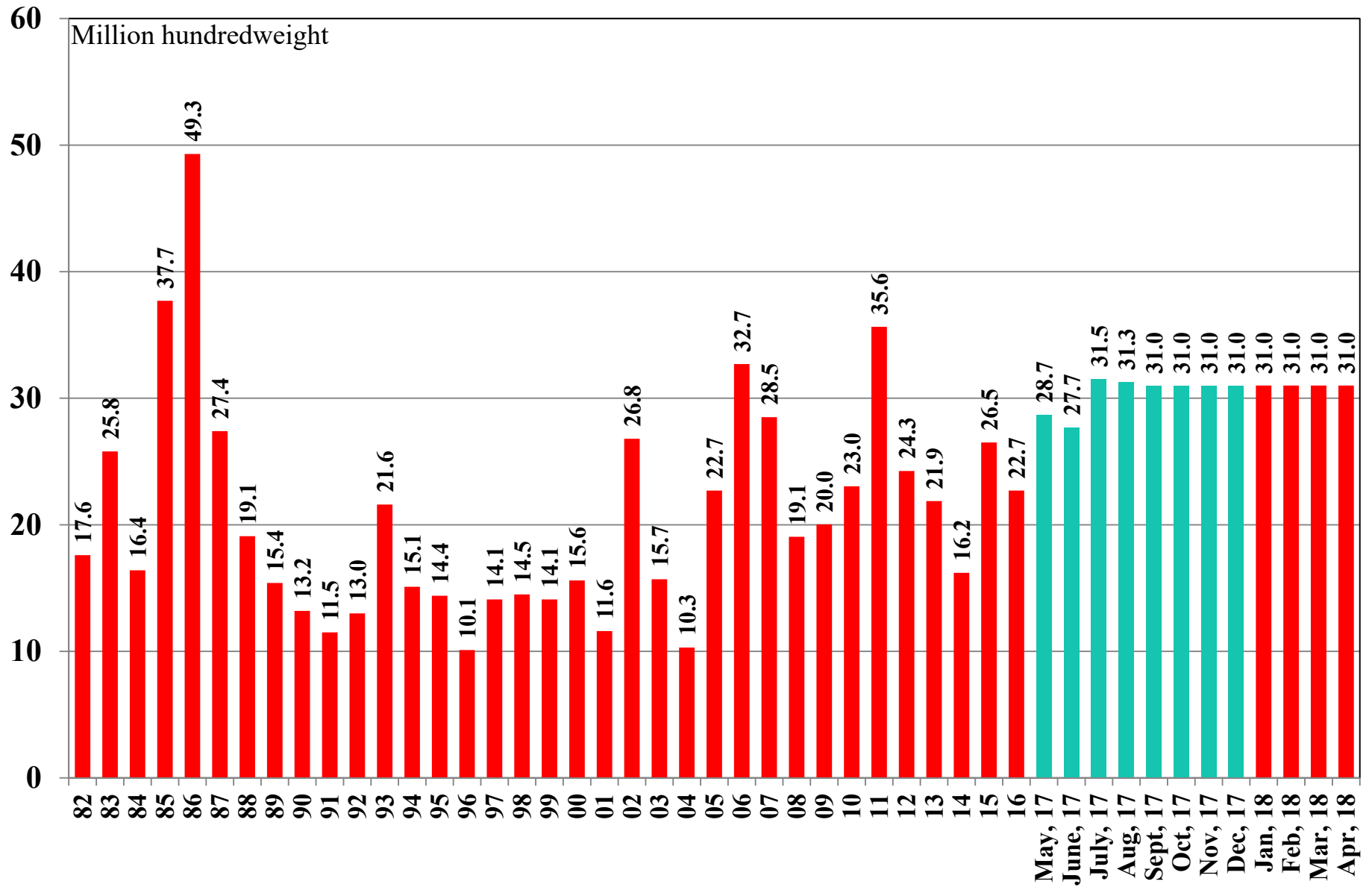
Source: USDA

# U.S. Long Grain Rice Yield 1972/73 – 2016/17



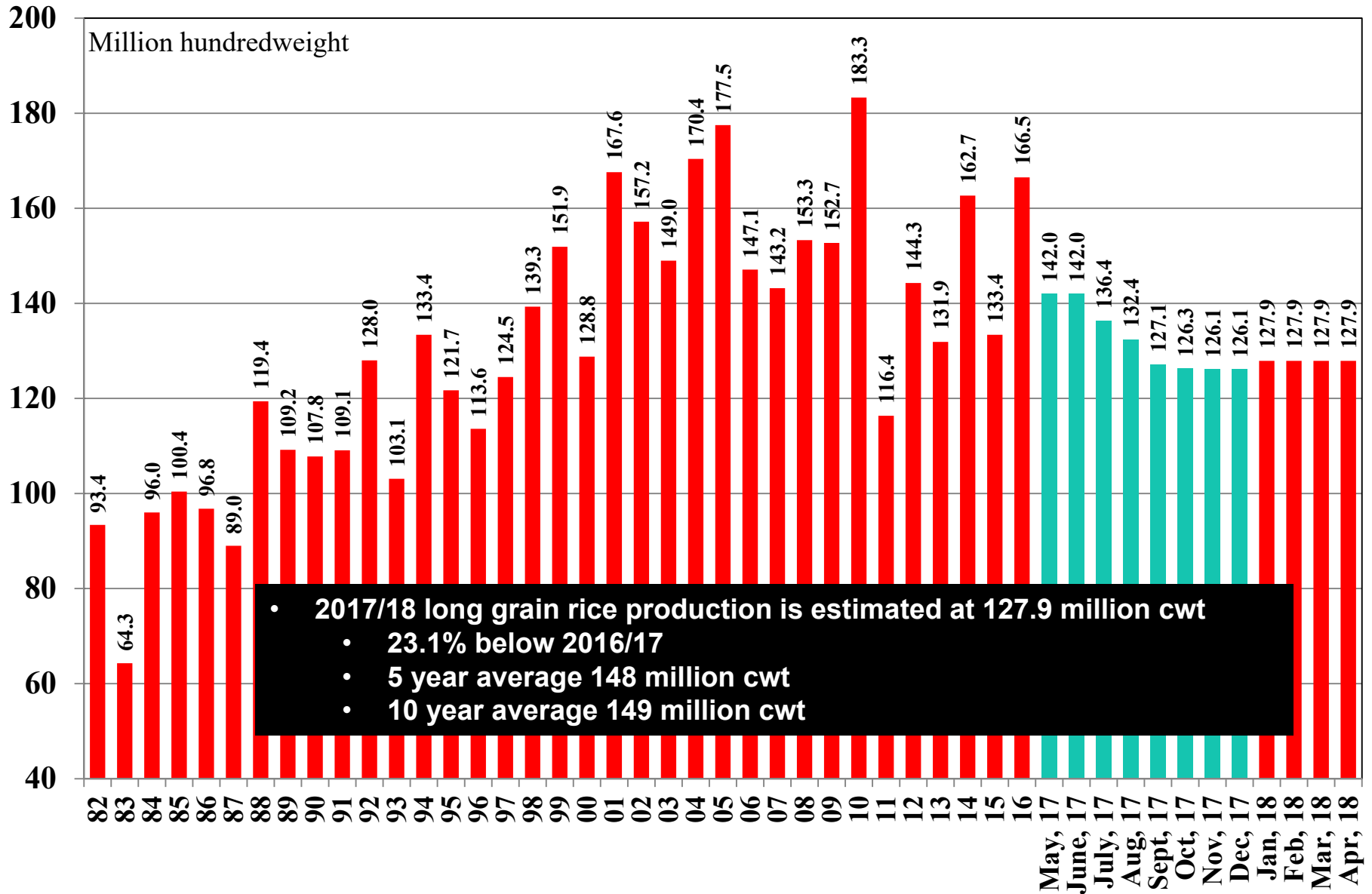
• The U.S. LG rice yield is estimated at 7314 pounds per acre or 163 bushels per acre

# U.S. Long Grain Rice Beginning Stocks 1982/83 – 2017/18



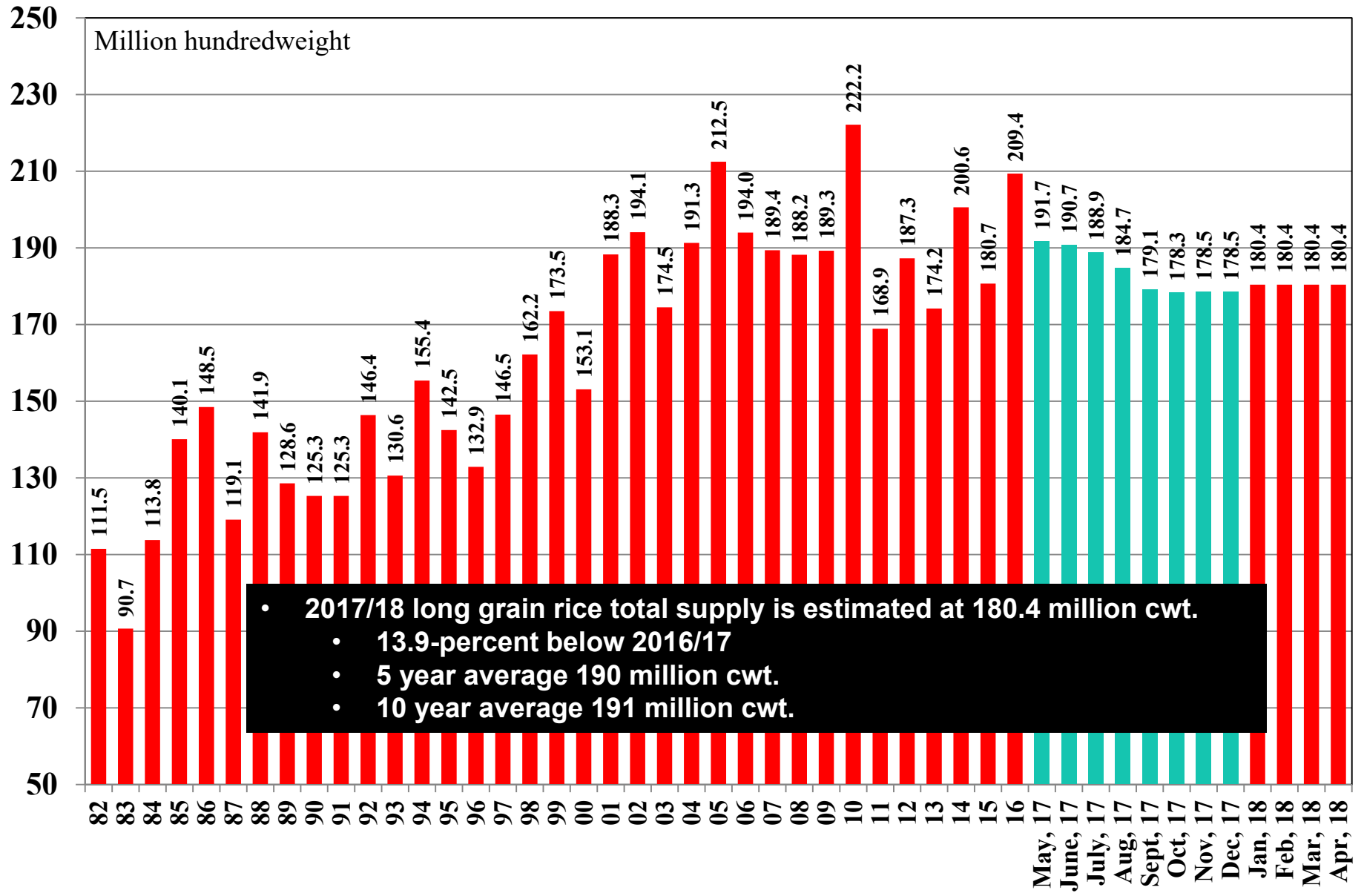
Source: [USDA](https://www.usda.gov/)

# U.S. Long Grain Rice Production 1982/83 – 2017/18



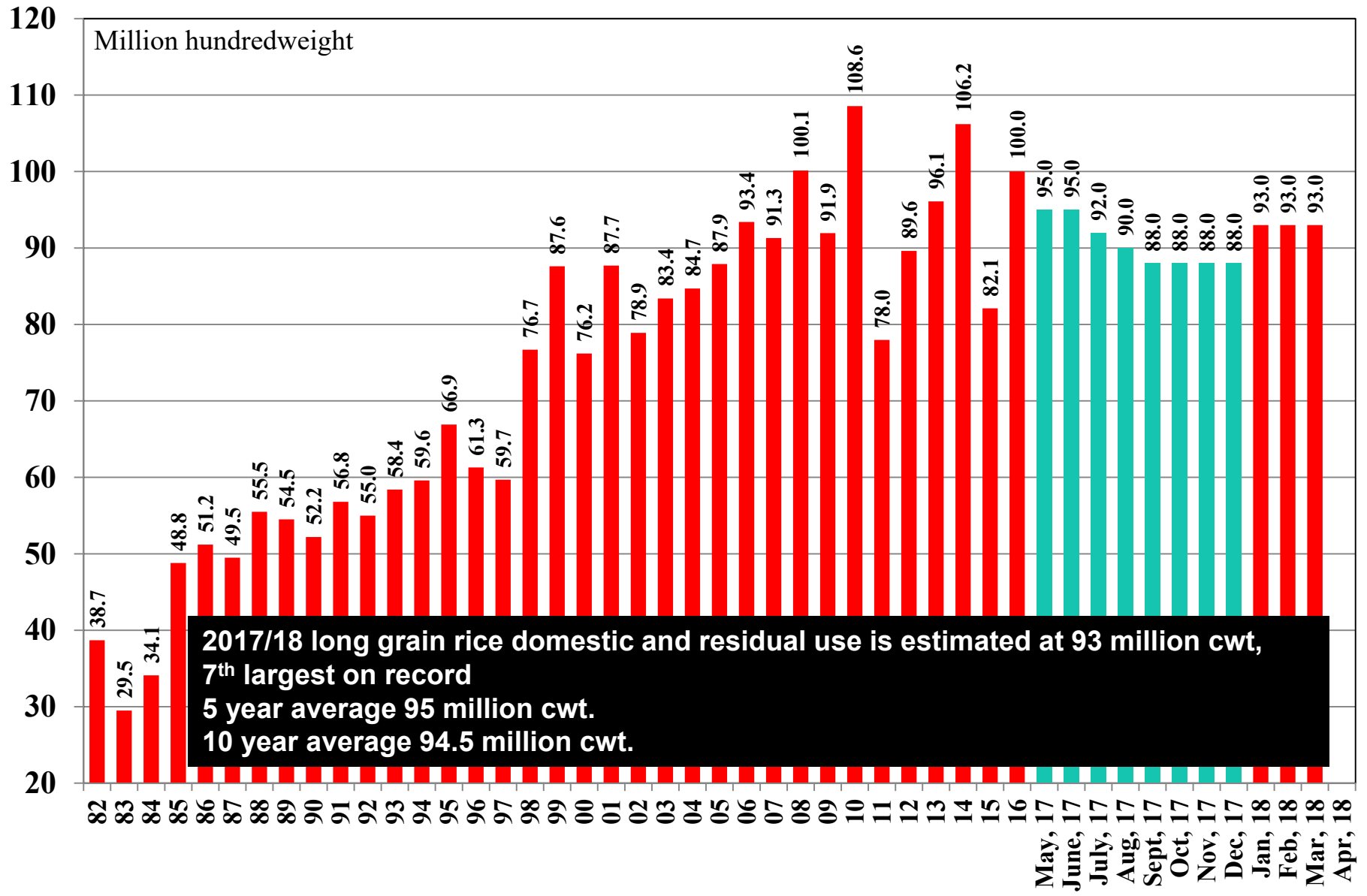
Source: USDA

# U.S. Long Grain Rice Total Supply 1982/83 – 2017/18



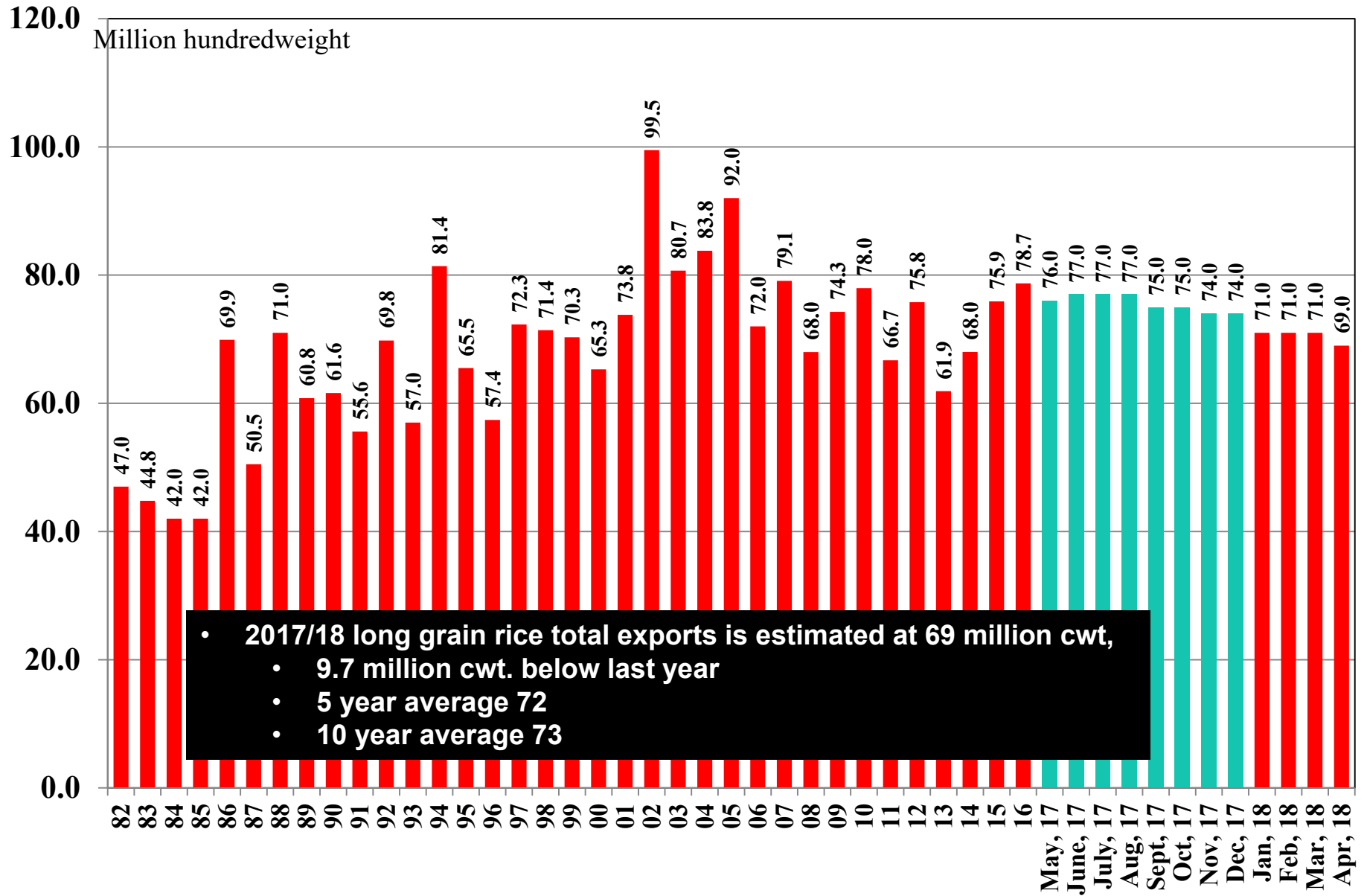
Source: USDA

# U.S. Long Grain Rice Domestic and Residual 1982/83 – 2017/18



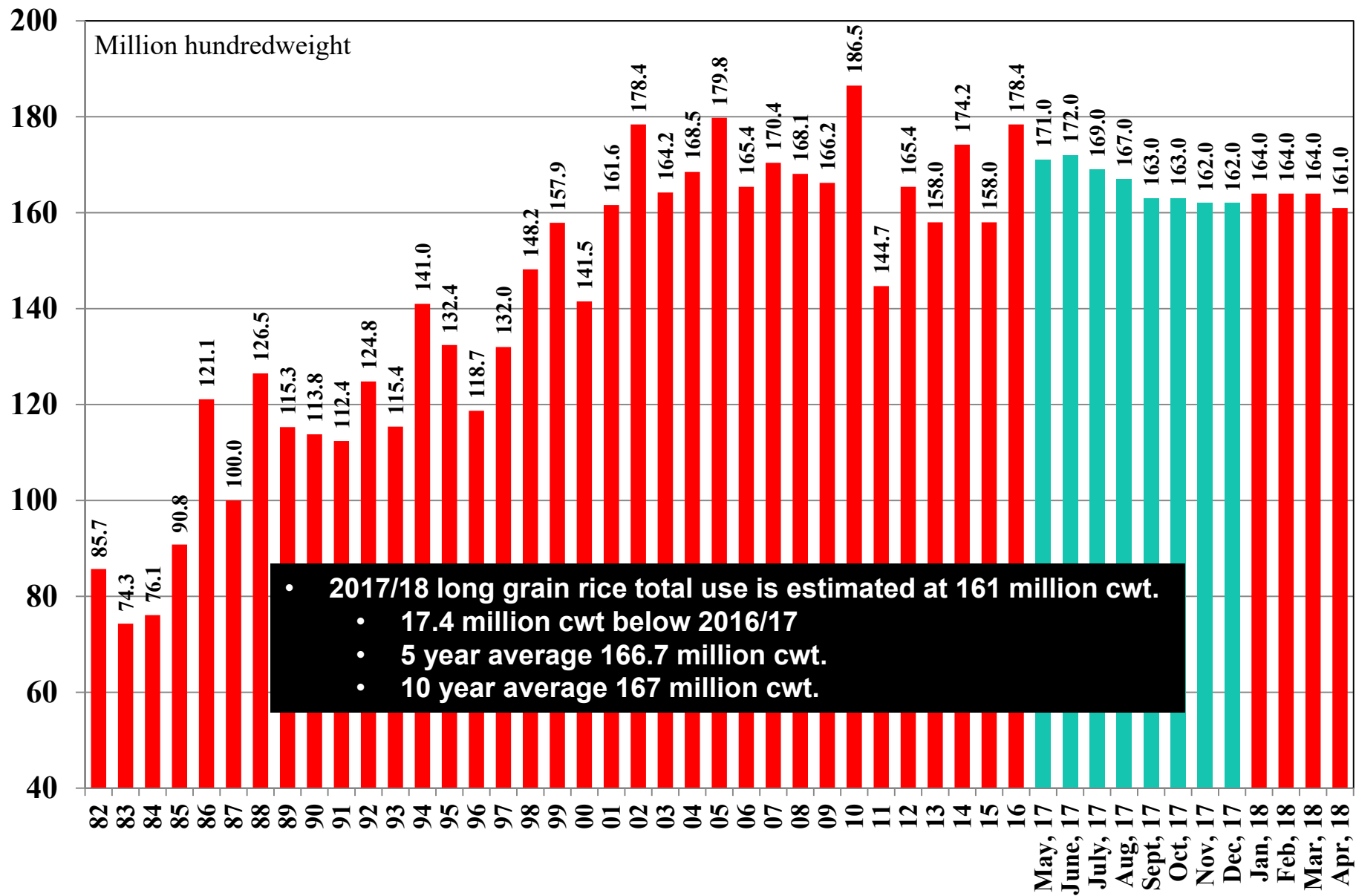
Source: USDA

# U.S. Long Grain Rice Total Exports 1982/83 – 2017/18



Source: USDA

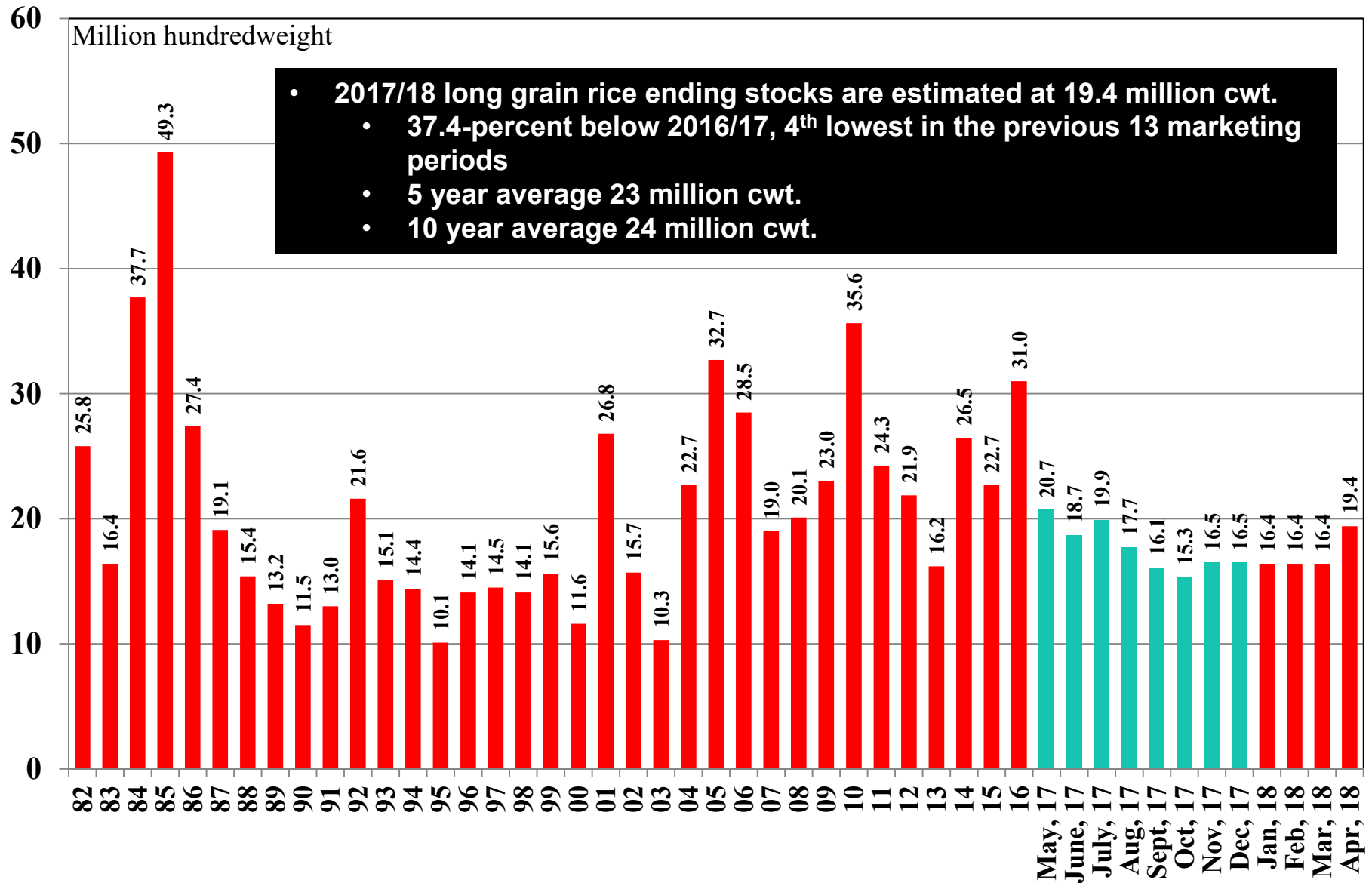
# U.S. Long Grain Rice Total Use 1982/83 – 2017/18



Source: USDA



# U.S. Long Grain Rice Ending Stocks 1982/83 – 2017/18



Source: USDA

***U.S. Medium & Short-Grain Rice  
USDA Supply and Demand  
Estimates  
Slide Show  
April 10, 2018***

April 2018

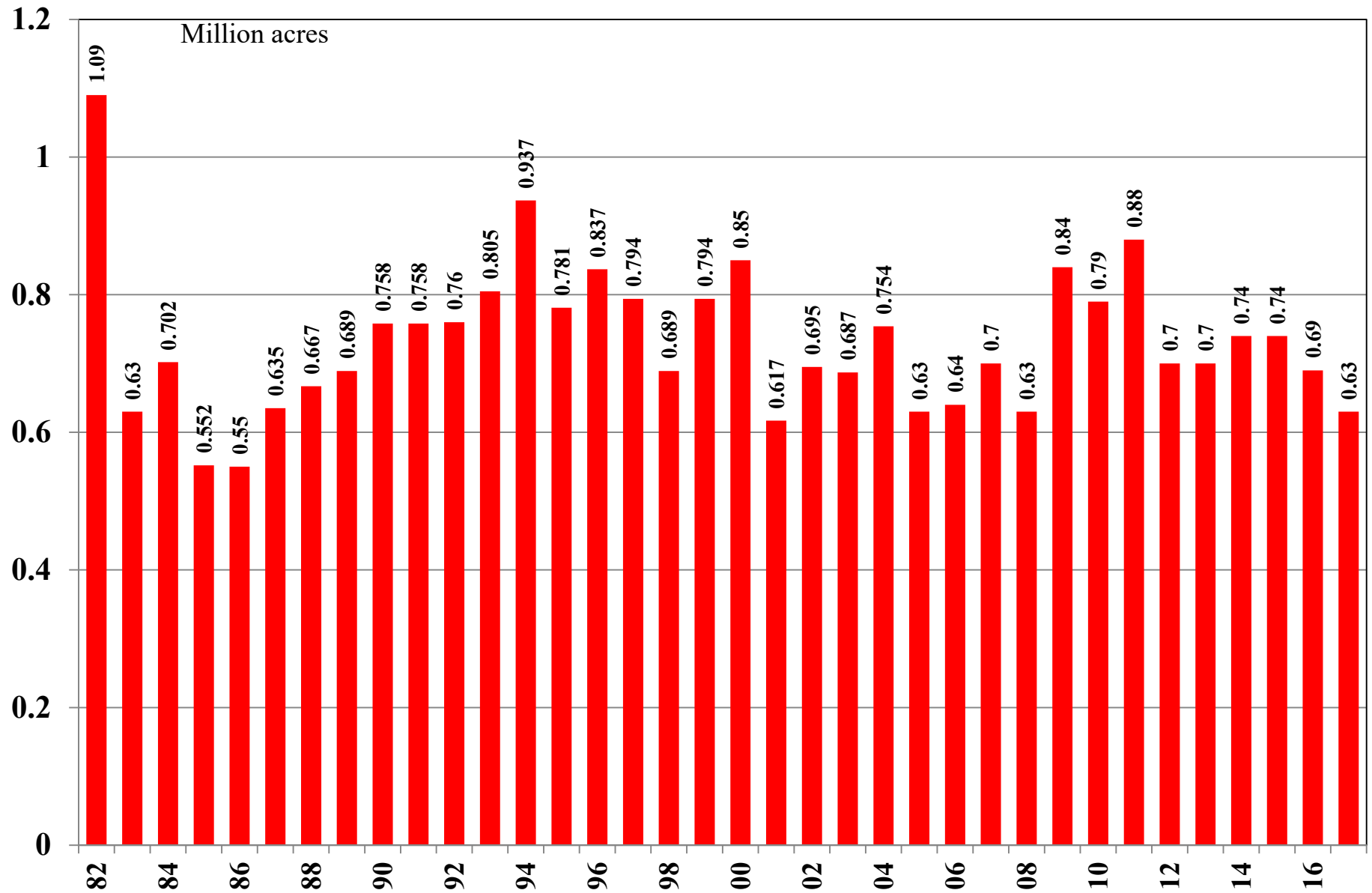
WASDE - 576 - 14

U.S. Rice Supply and Use 1/

(Rough Equivalent of Rough and Milled Rice)

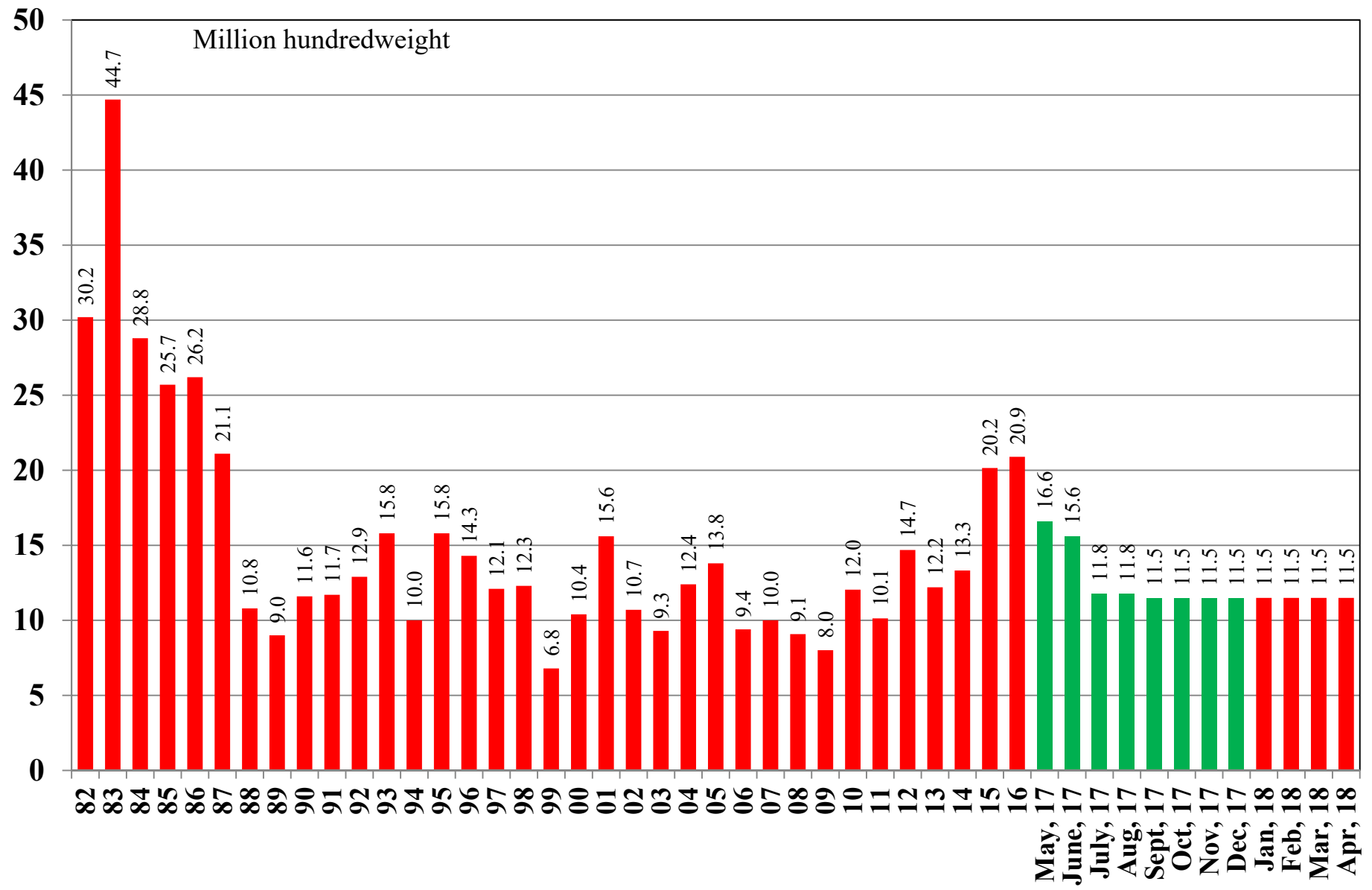
TOTAL RICE	2015/1	2016/17	2017/18 Proj. Mar	2017/18 Proj. Apr
<b>MEDIUM &amp; SHORT-GRAIN RICE</b>	<i>Million Acres</i>			
Harvested Acres (mil.)	0.74	0.69	0.63	0.63
Yield (pounds/acre)	8107	8311	8048	8048
Beginning Stocks	20.2	20.9	11.5	11.5
Production	59.7	57.7	50.4	50.4
Supply, Total 7/	82.2	81.1	65.3	65.4
Domestic & Residual 3/	30.3	31.7	27	28
Exports 8/	31	37.9	29	27
Use, Total	61.3	69.6	56	55
Ending Stocks	20.9	11.5	9.3	10.4
Avg. Farm Price (\$/cwt) 1/ 6/ 9/	15.3	13.1	14.60 - 15.40	14.90 - 15.50
California 10/	18.1	14.1	15.50 - 16.50	16.10 - 16.90
Other States 1/	11.2	10.1	11.60 - 12.20	11.90 - 12.30

# U.S. Medium & Short Grain Rice Harvested Acres 1982/83 – 2017/18



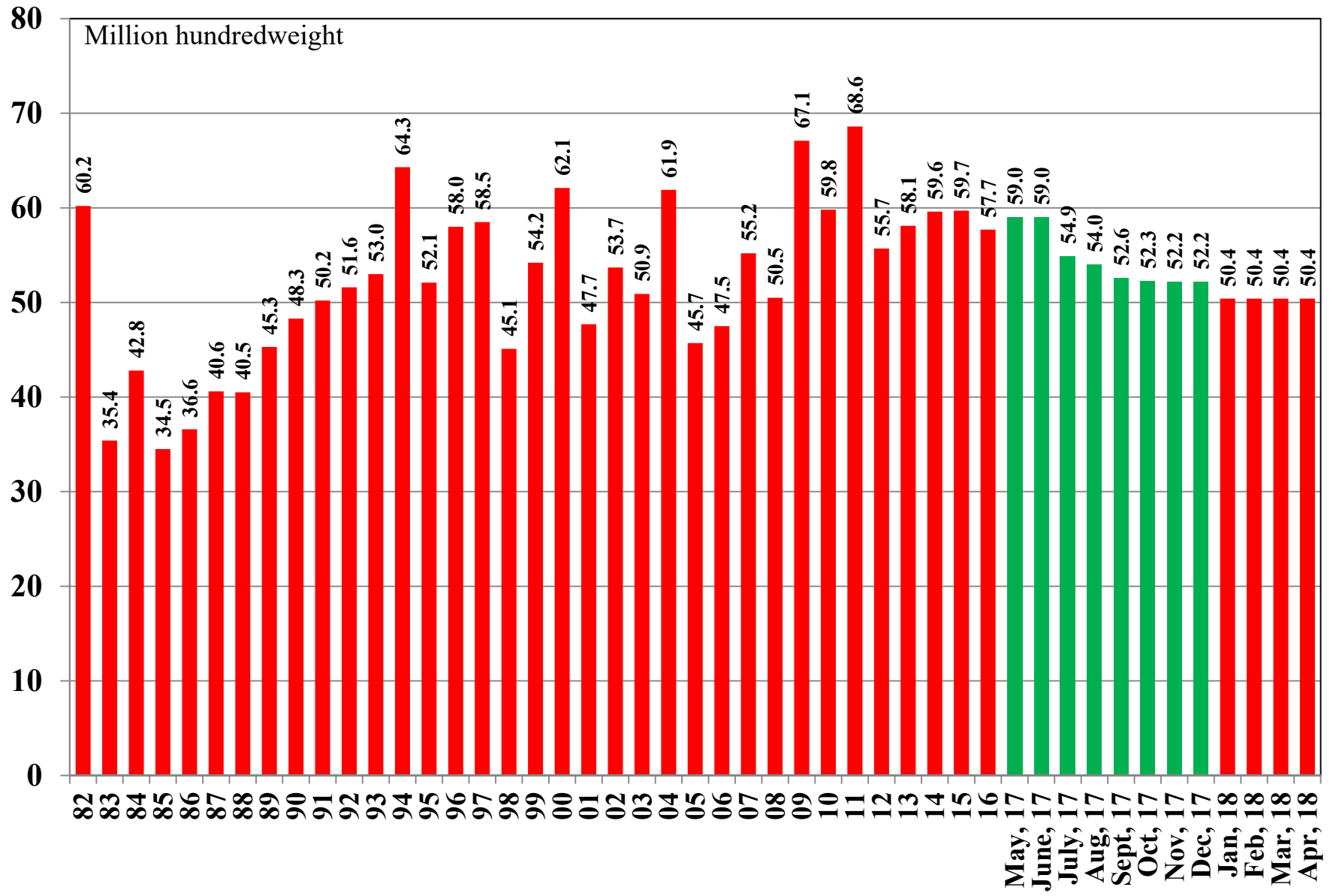
Source: USDA

# U.S. Medium & Short Grain Rice **Beginning Stocks** 1982/83 – 2017/18



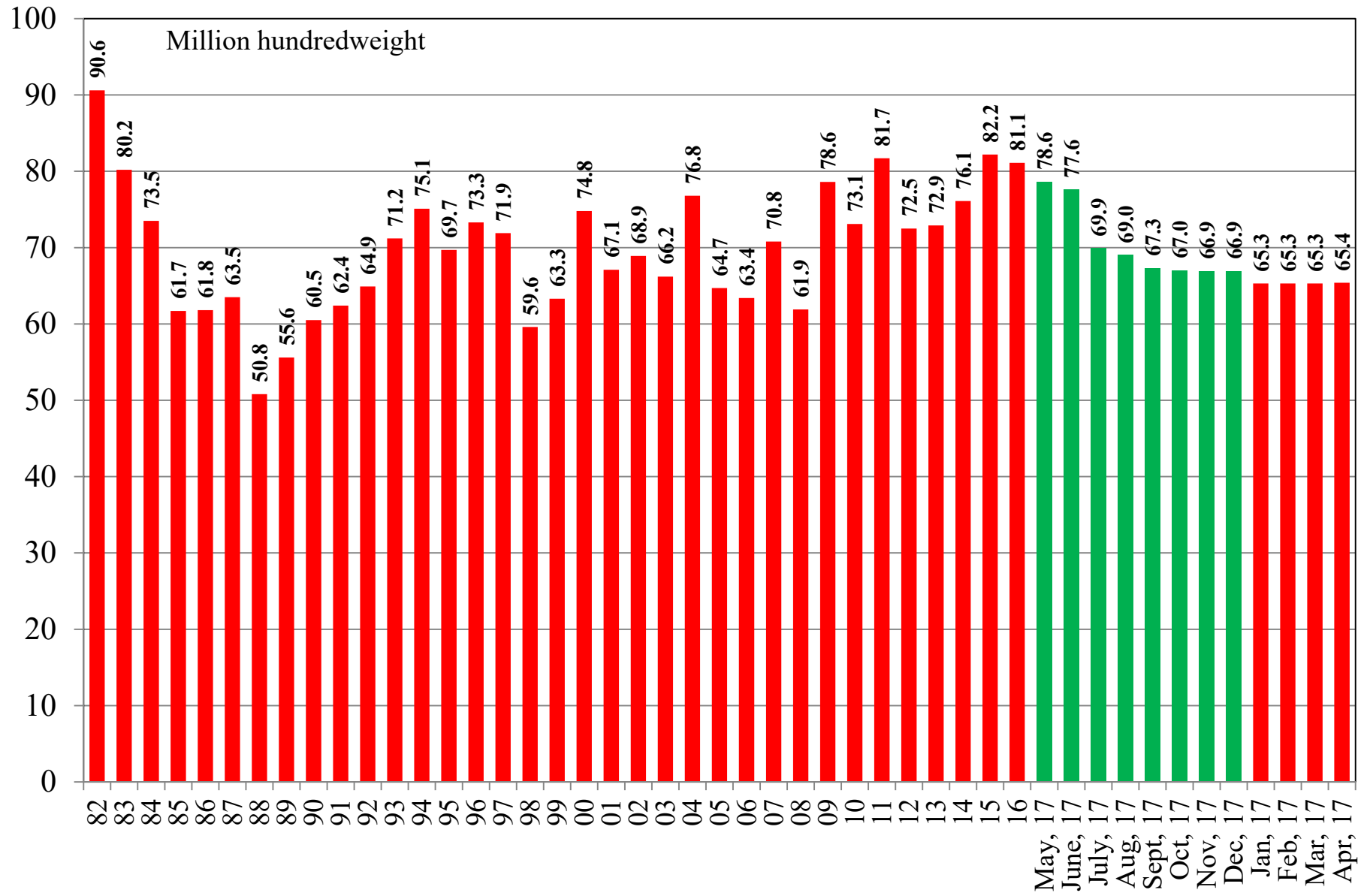
Source: USDA

# U.S. Medium & Short Grain Rice Production 1982/83 – 2017/18



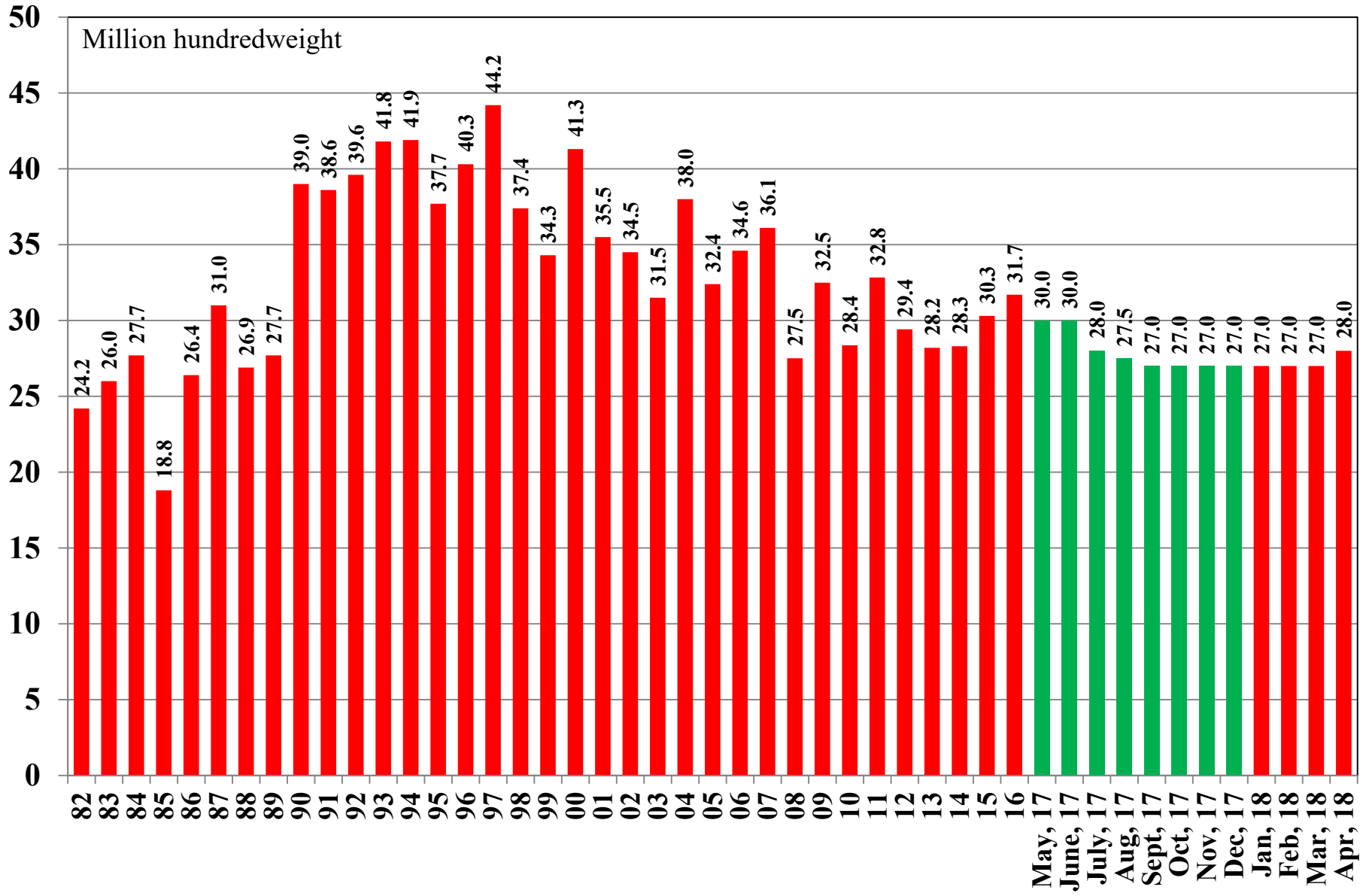
Source: USDA

# U.S. Medium & Short Grain Rice Total Supply 1982/83 – 2017/18



Source: USDA

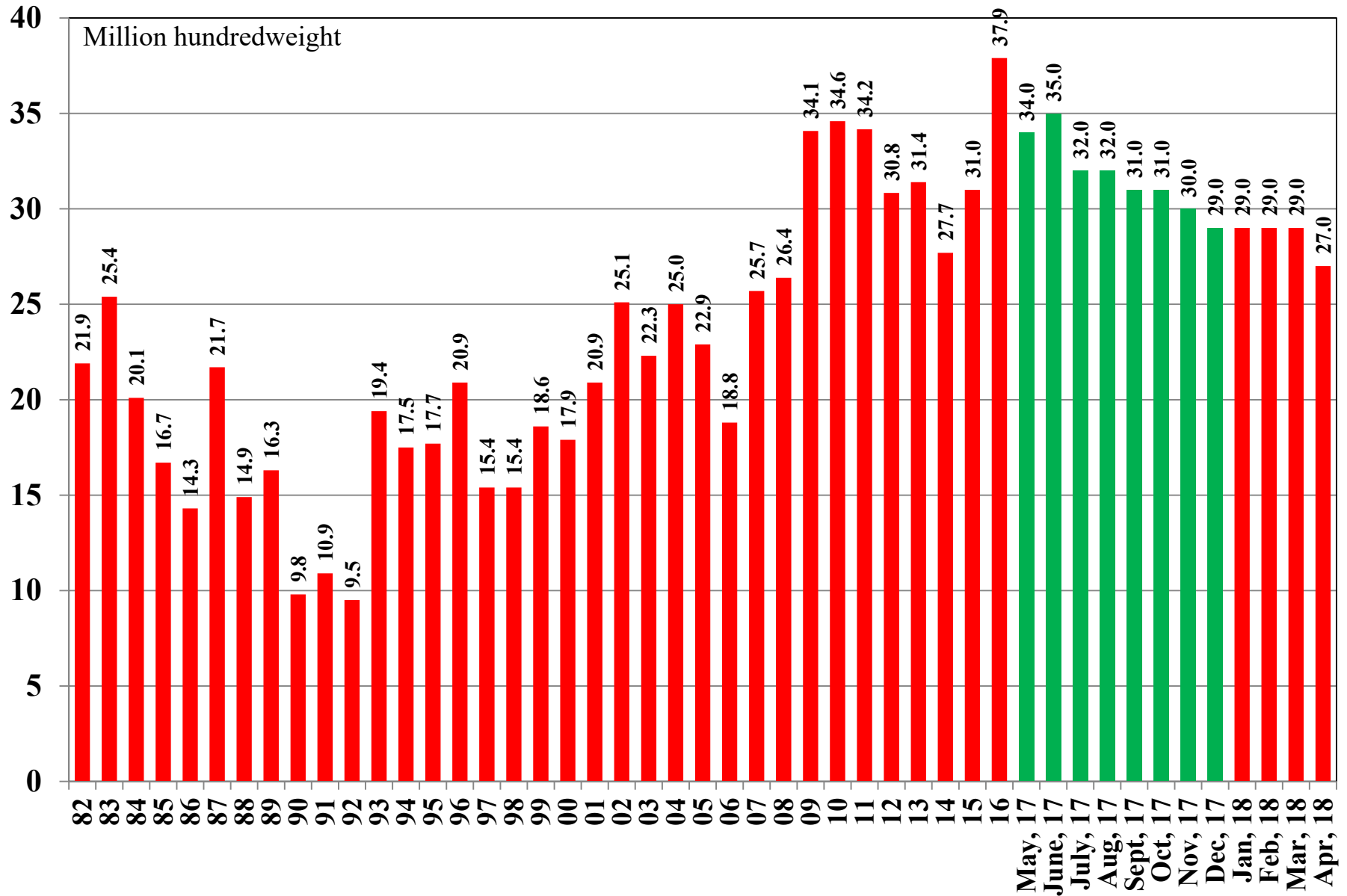
# U.S. Medium & Short Grain Rice Domestic and Residual 1982/83 – 2017/18



Source: USDA

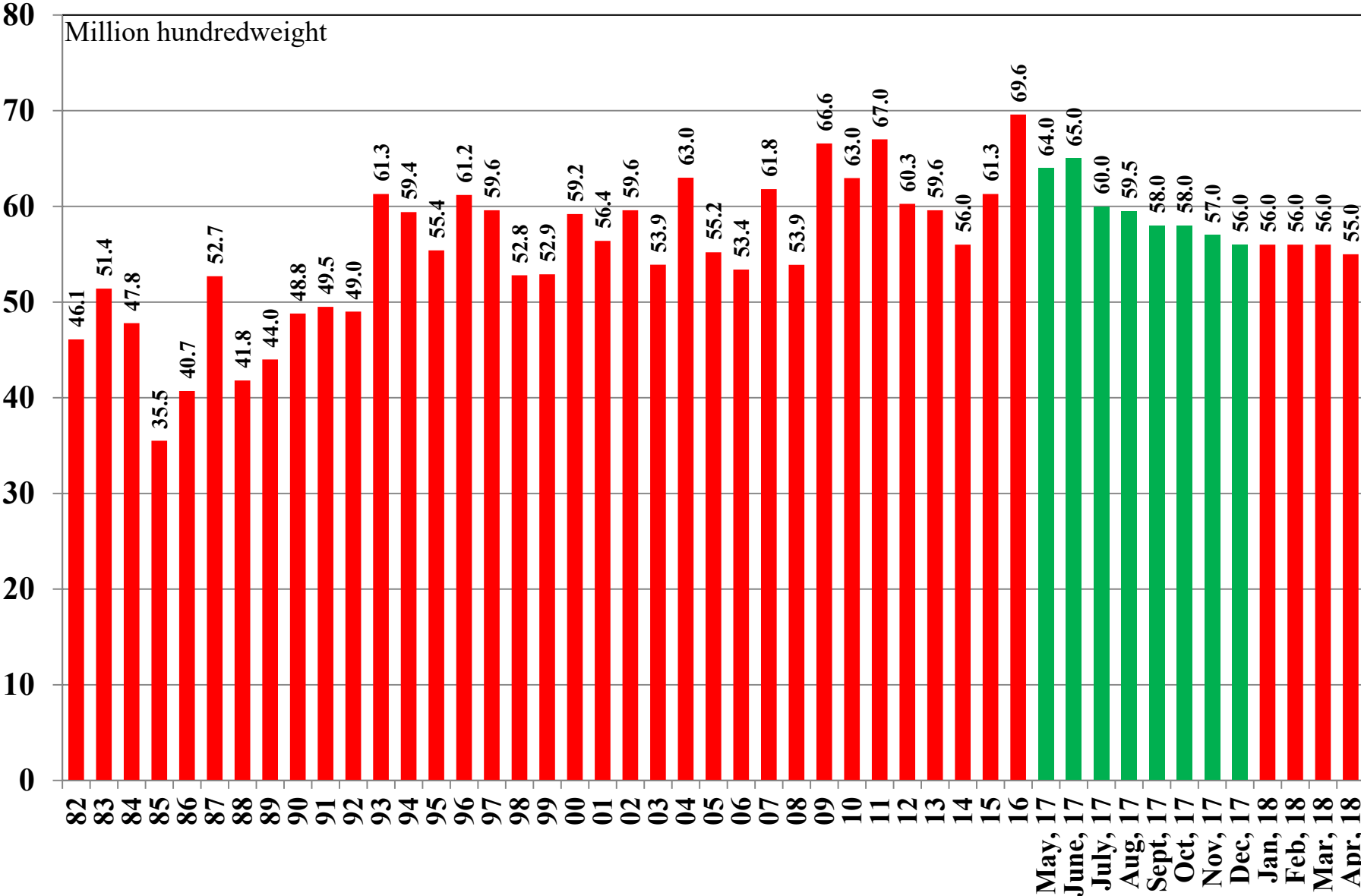


# U.S. Medium & Short Grain Rice Total Exports 1982/83 – 2017/18



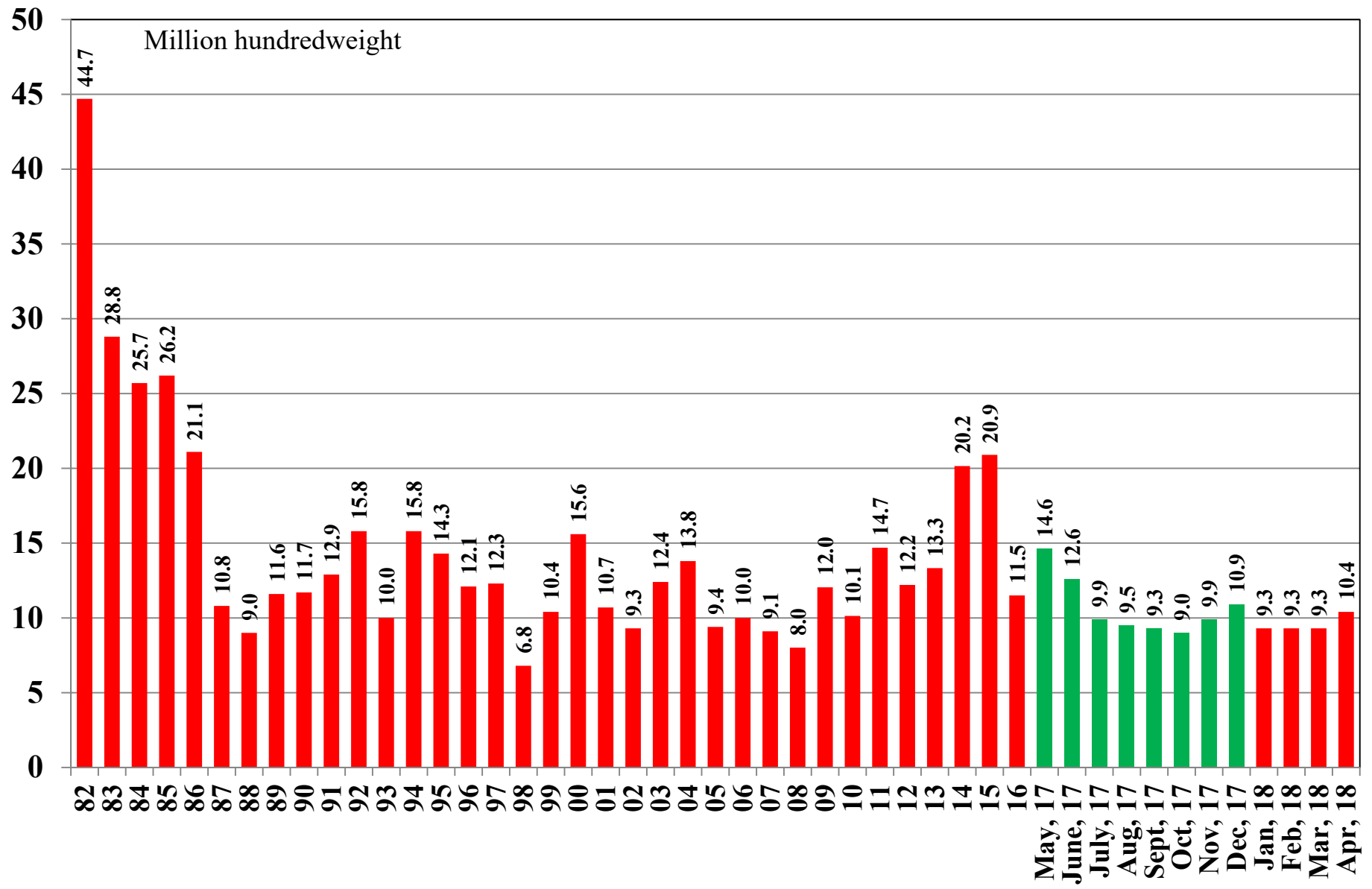
Source: USDA

# U.S. Medium & Short Grain Rice Total Use 1982/83 – 2017/18



Source: USDA

# U.S. Medium & Short Grain Rice Ending Stocks 1982/83 – 2017/18



Source: USDA

*U.S. All Rice*  
*Supply and Demand Estimates*  
*Slide Show*  
*April 10, 2018*

April 2018

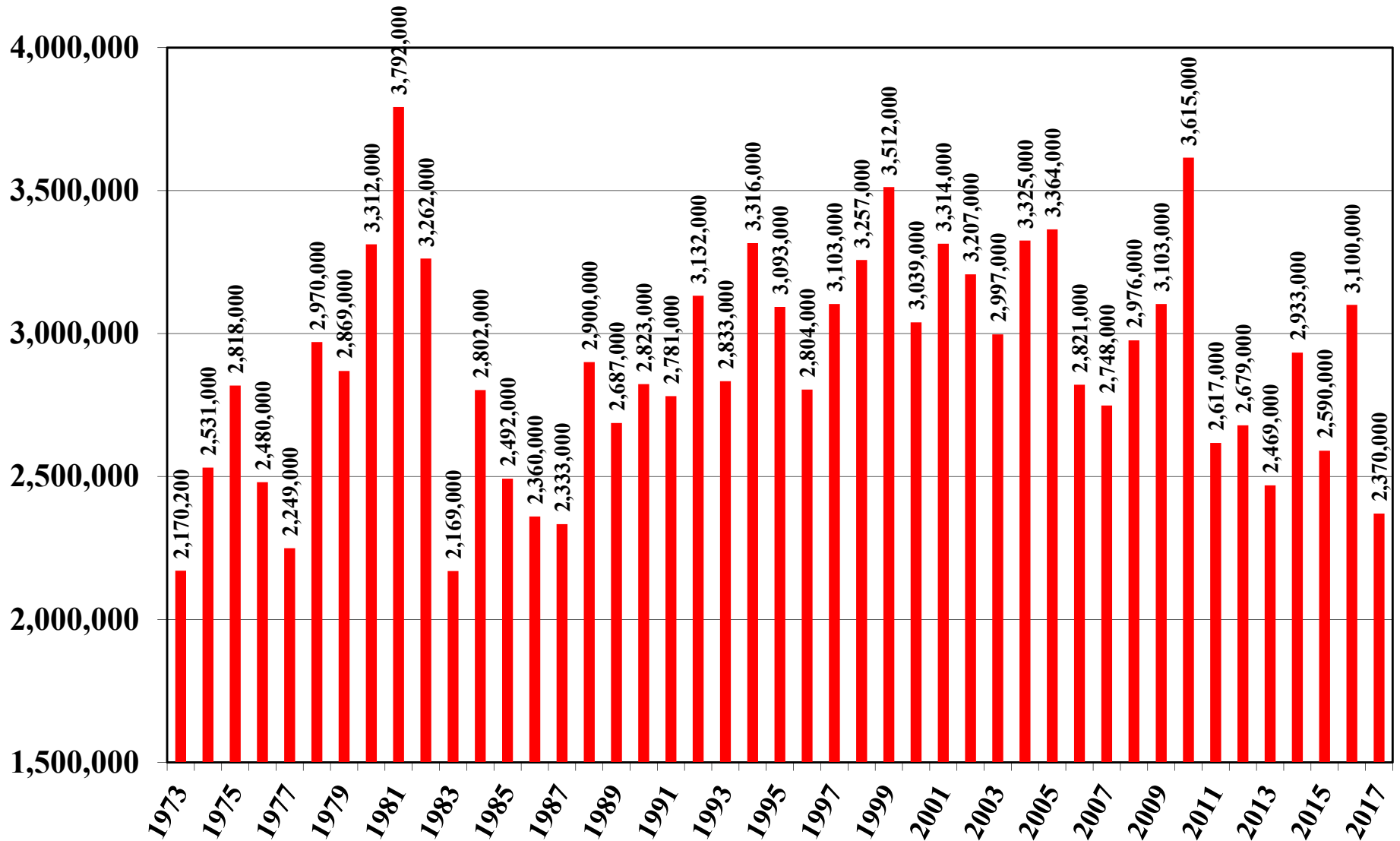
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U.S. Rice Supply and Use 1/

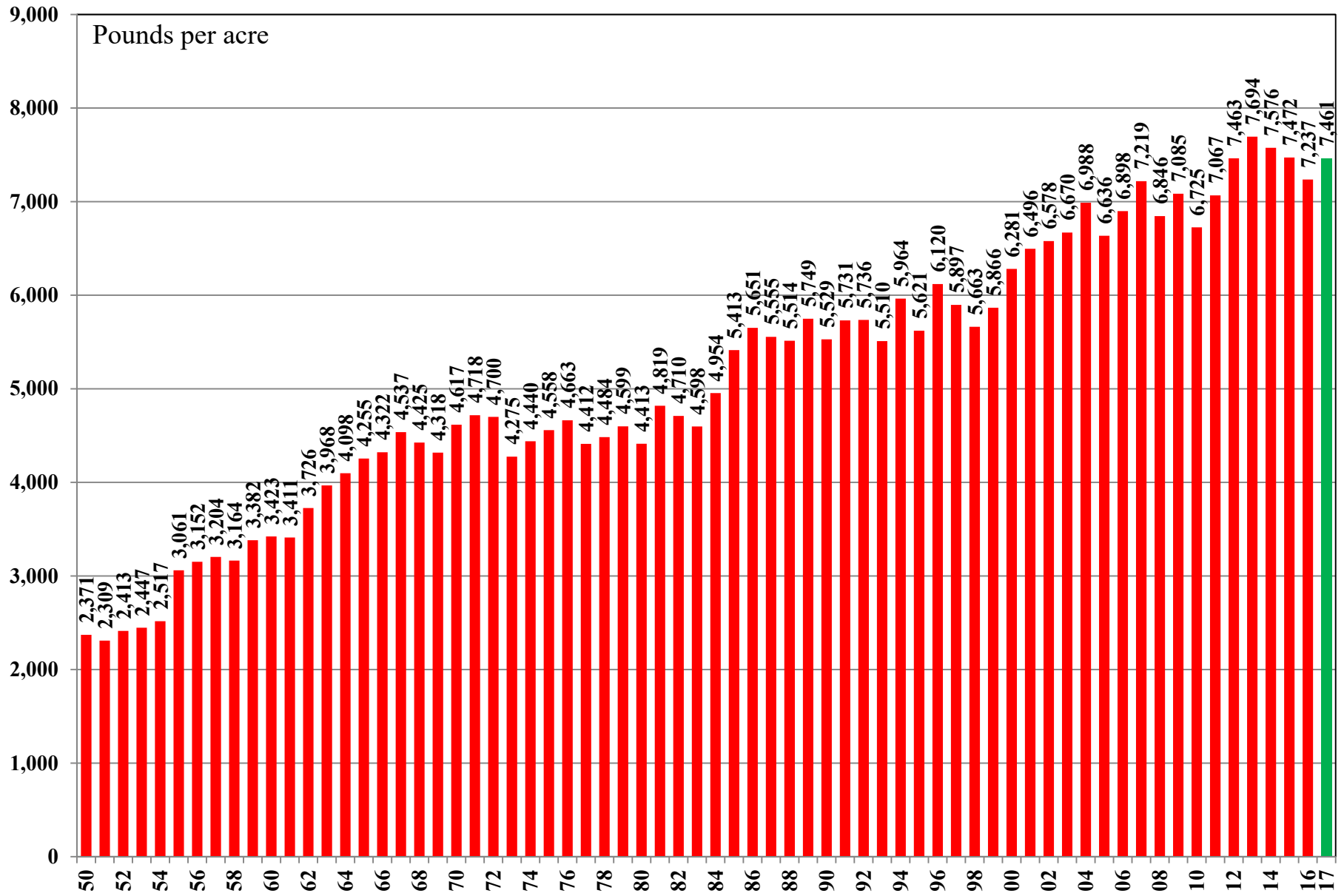
(Rough Equivalent of Rough and Milled Rice)

TOTAL RICE	2015/1	2016/17	2017/18 Proj. Mar	2017/18 Proj. Apr
		<i>Million Acres</i>		
Area Planted	2.63	3.15	2.46	2.46
Area Harvested	2.59	3.1	2.37	2.37
		<i>Pounds</i>		
Yield per Harvested Acre	7472	7237	7507	7507
		<i>Million Hundredweight</i>		
Beginning Stocks 2/	48.5	46.5	46	46
Production	193.1	224.1	178.2	178.2
Imports	24.1	23.5	24.9	25
Supply, Total	265.8	294.1	249.2	249.3
Domestic & Residual 3/	112.4	131.4	120	120
Exports, Total 4/	107	116.7	100	96
Rough	39.3	42.5	34	31
Milled (rough equiv.)	67.7	74.2	66	65
Use, Total	219.3	248	220	216
Ending Stocks	46.5	46	29.2	33.3
Avg. Milling Yield (%) 5/	70	70	70	70
Avg. Farm Price (\$/cwt) 6/	12.2	10.4	12.10 - 12.90	12.40 - 12.80

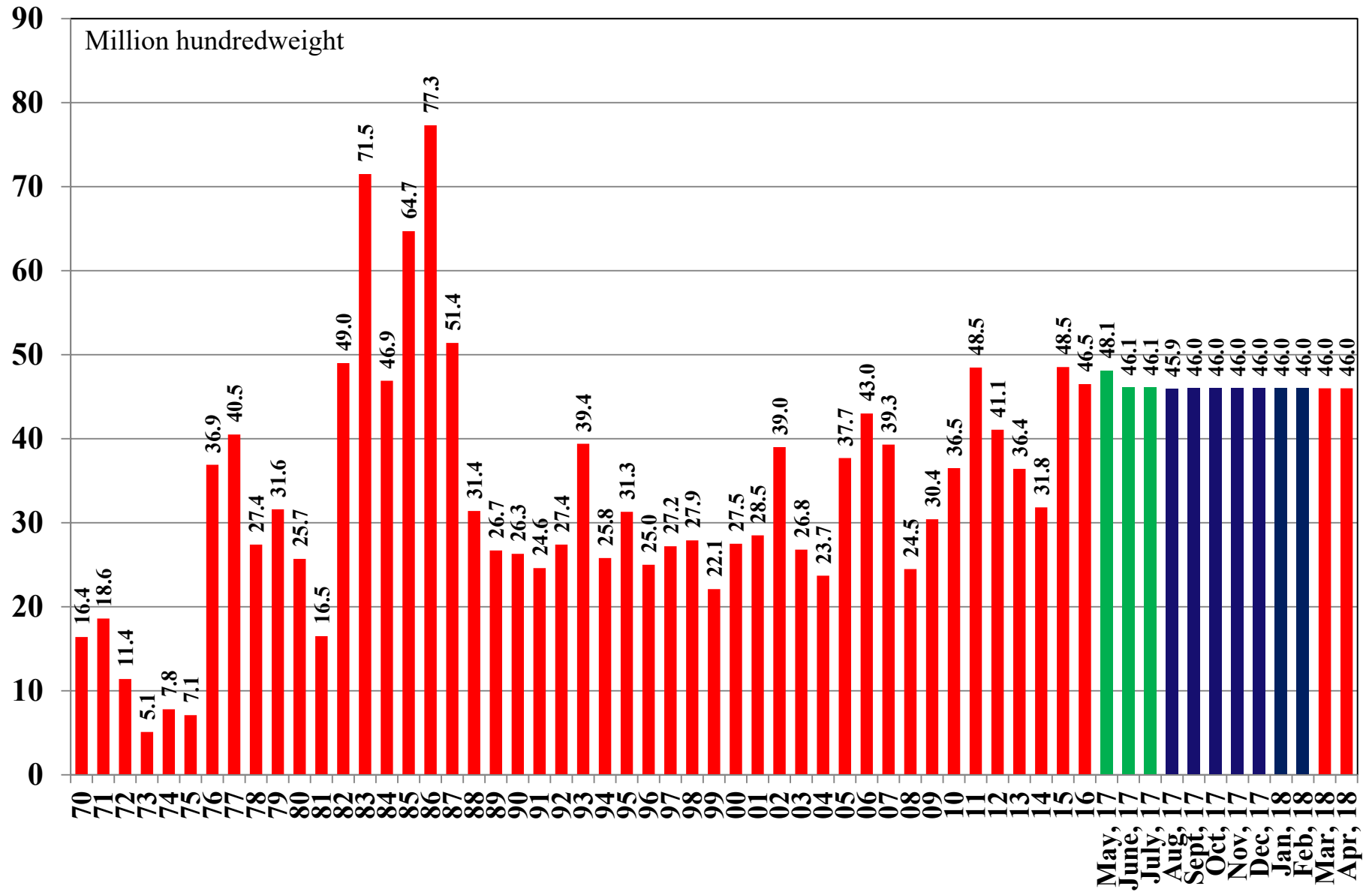
# U.S. All Rice Harvested Acres 1973/74 – 2017/18



# U.S. All Rice Yield 1950/51 – 2017/18

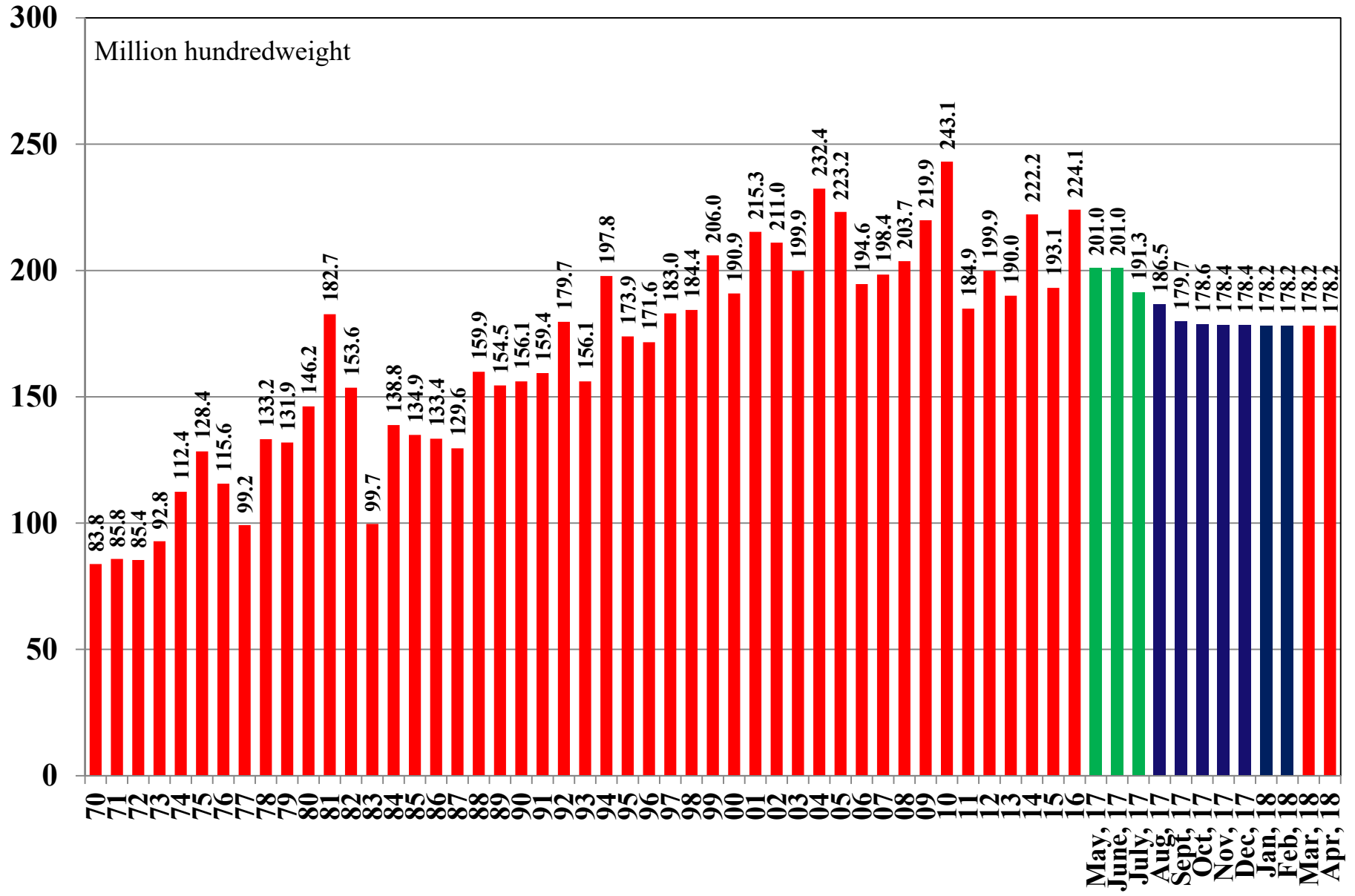


# U.S. All Rice Beginning Stocks 1970/71 – 2017/18

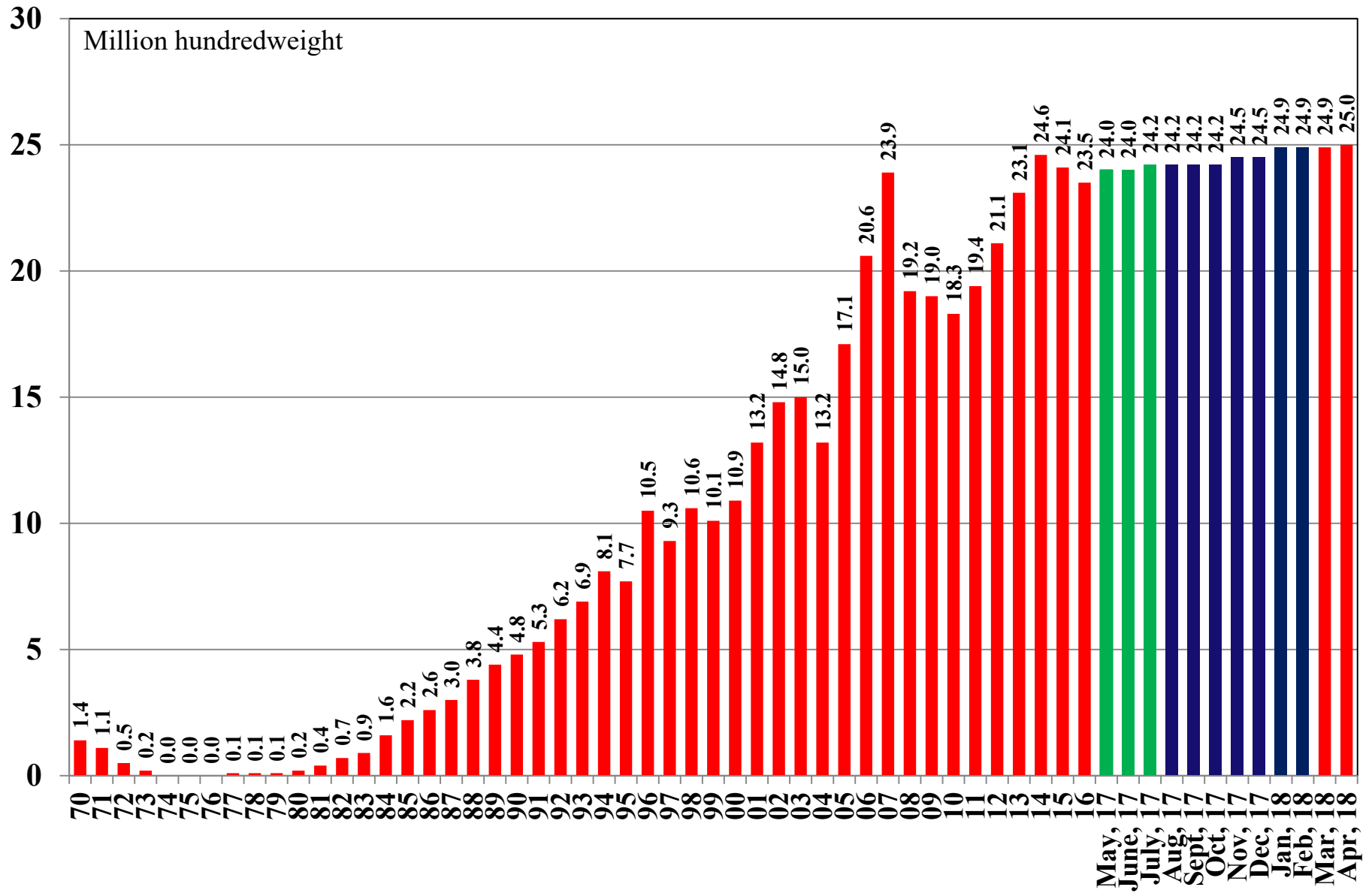




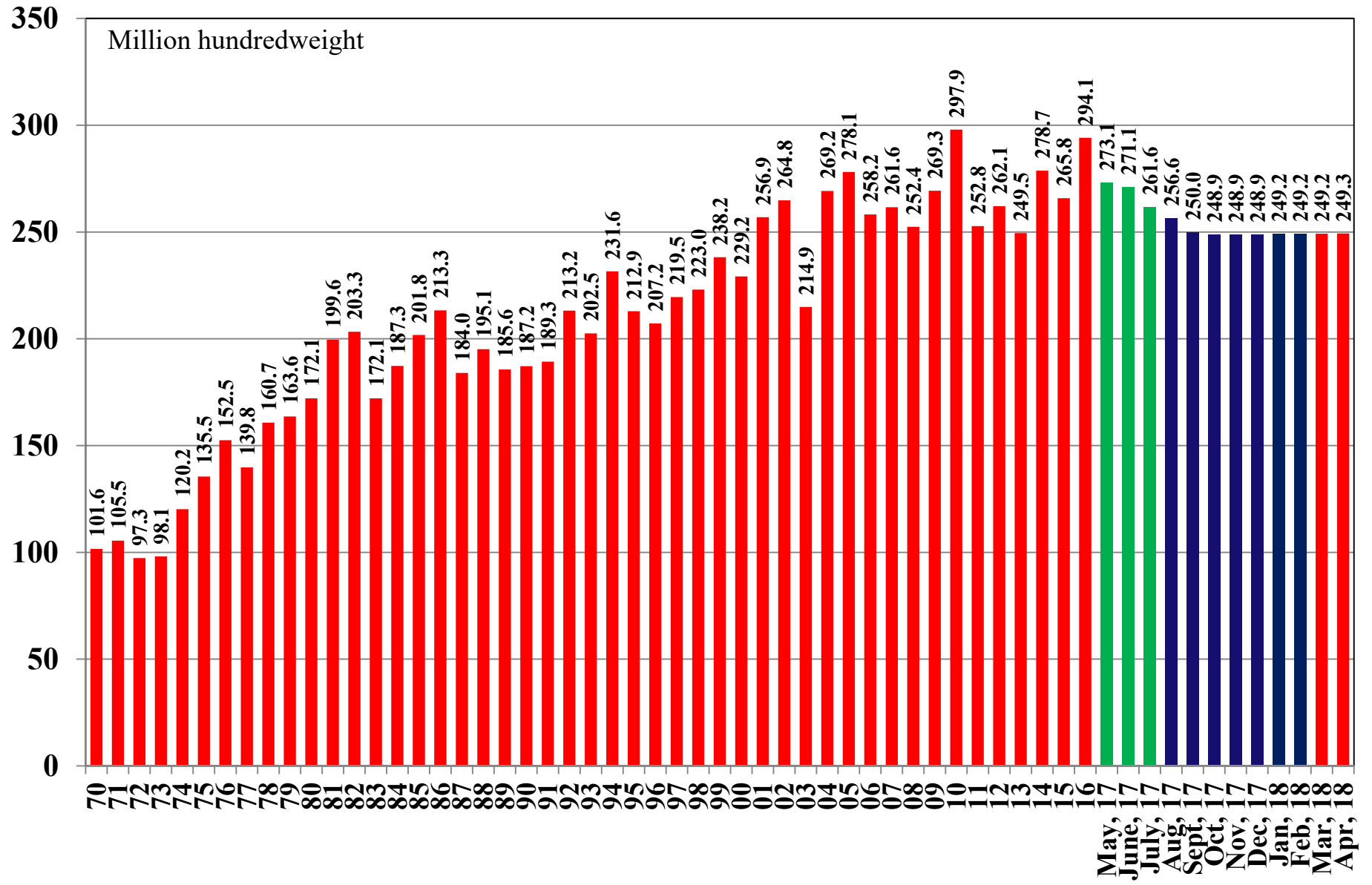
# U.S. All Rice Production 1970/71 – 2017/18



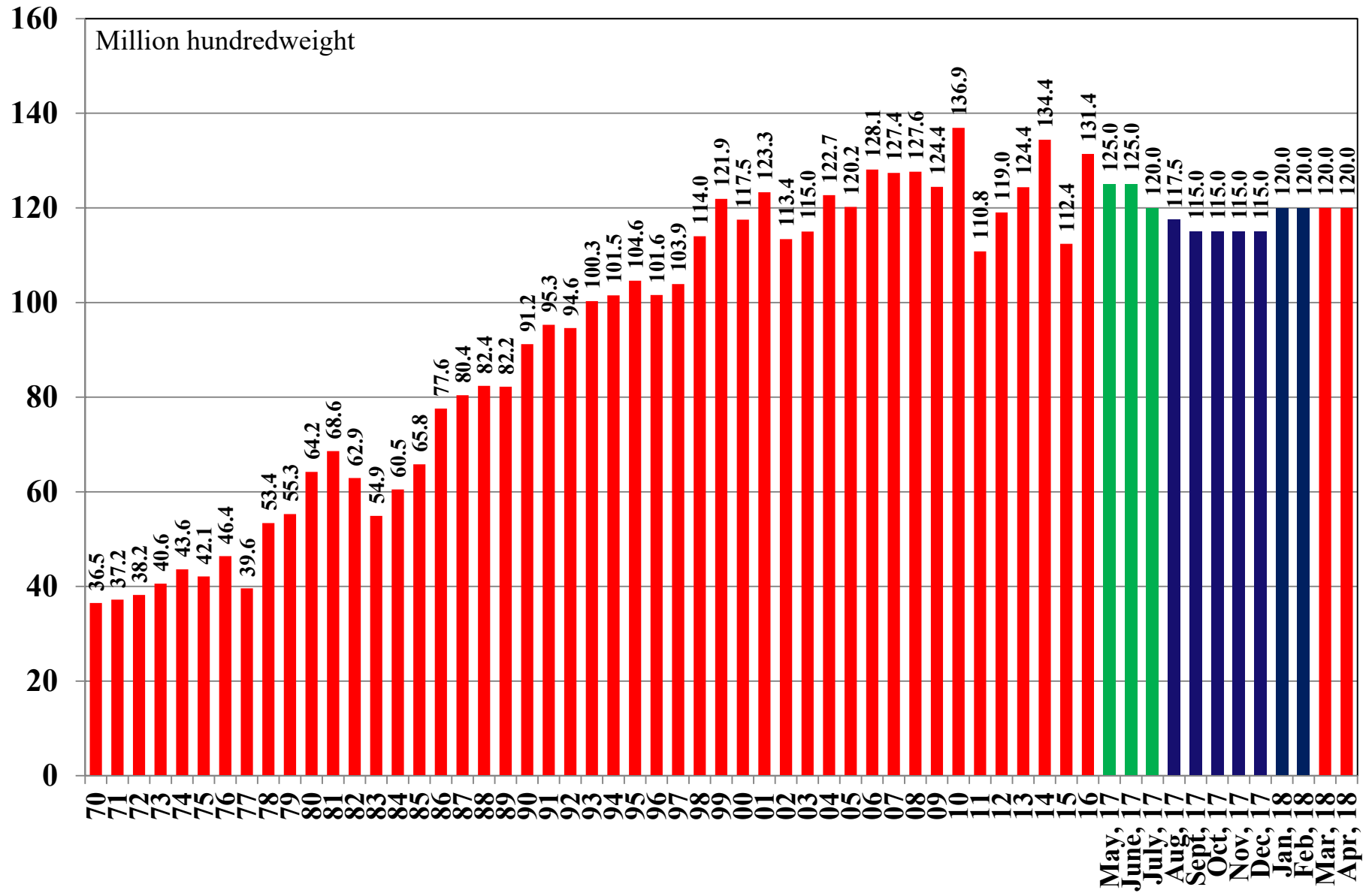
# U.S. All Rice Imports 1970/71 – 2017/18



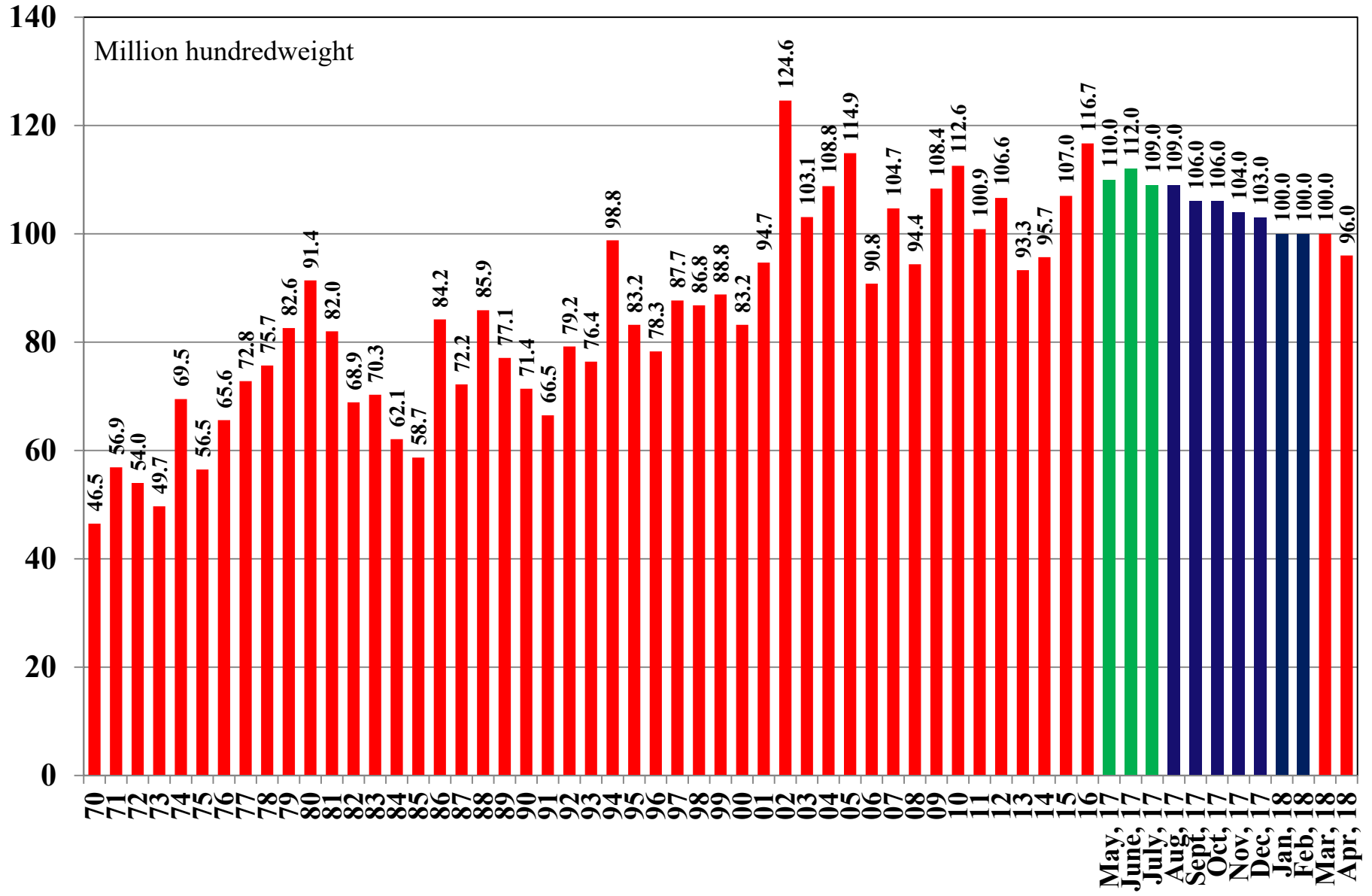
# U.S. All Rice Total Supply 1970/71 – 2017/18



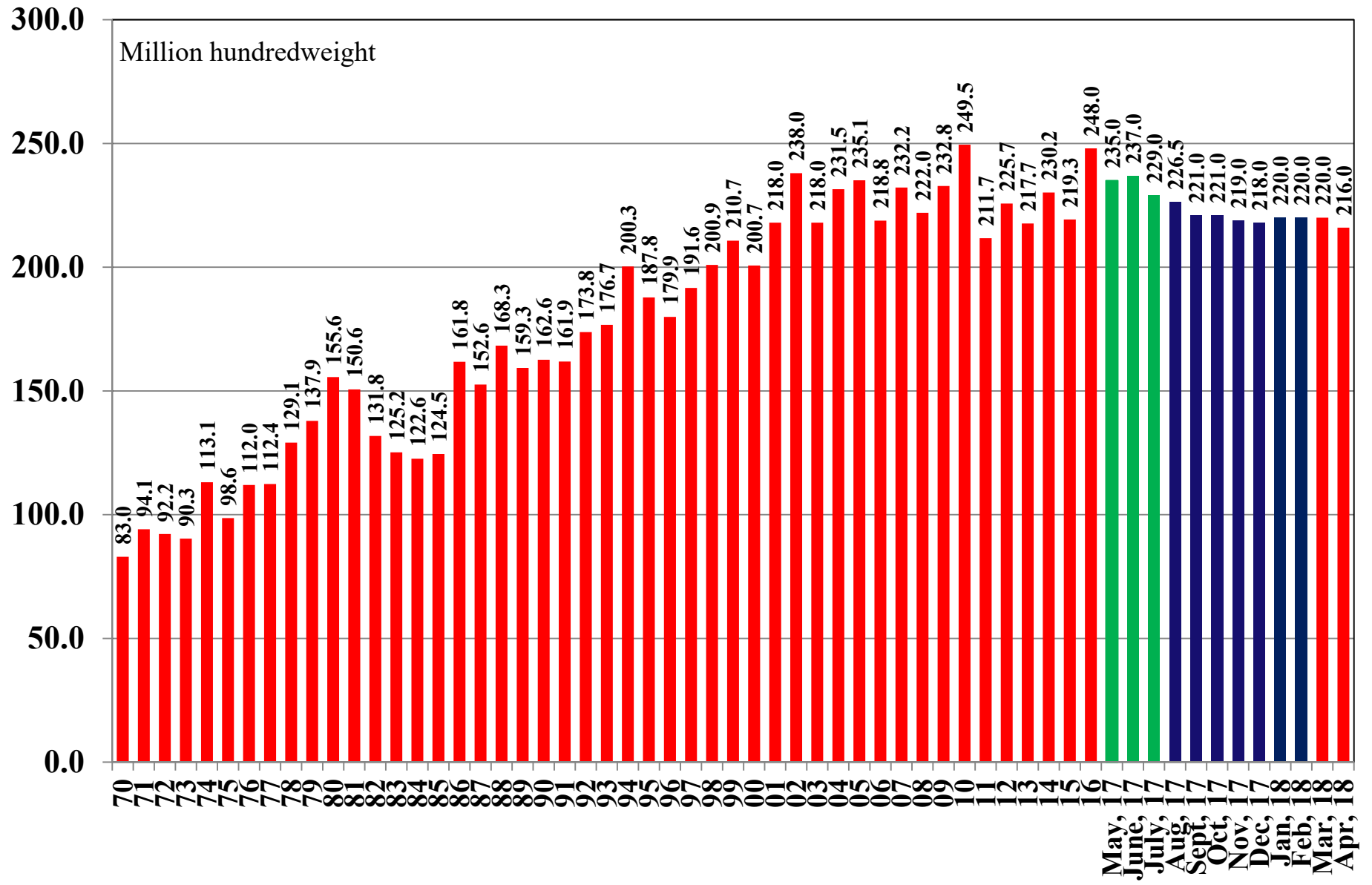
# U.S. All Rice Total Domestic and Residual Use 1970/71 – 2017/18



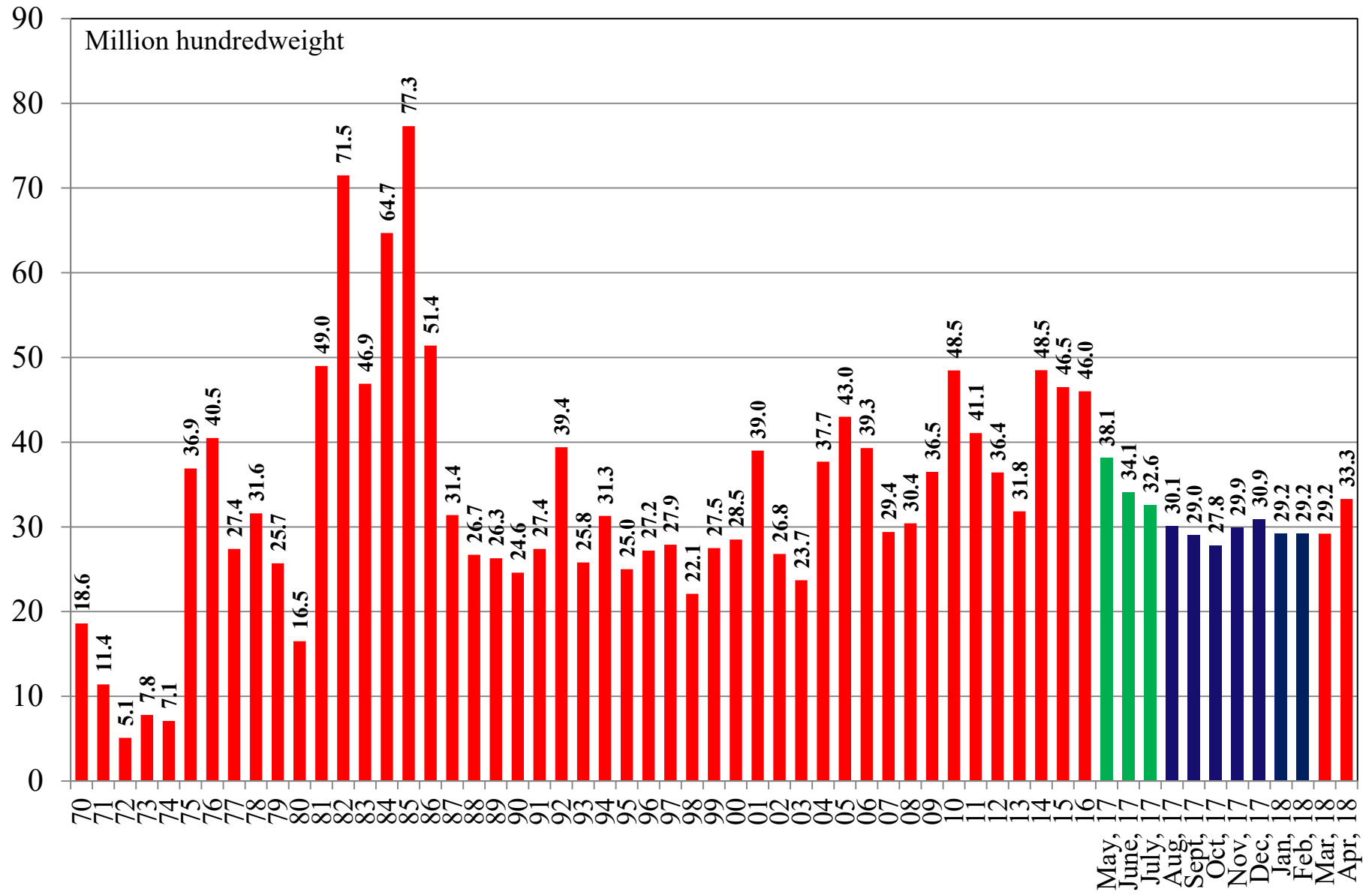
# U.S. All Rice Total Exports 1970/71 – 2017/18



# U.S. All Rice Total Use 1970/71 – 2017/18



# U.S. All Rice Ending Stocks 1970/71 – 2017/18



***USDA Planted and Prospective Planted Acreage  
Rice – U.S. and States  
March 28, 2018***

***Bobby Coats, Ph.D.  
Professor - Economics  
Department of Agricultural Economics and Agribusiness  
Division of Agriculture  
University of Arkansas System  
Cooperative Extension Service***



## Rice Area Planted by Class – States and United States: 2016-2018

Class and State	Area planted			Percent of previous year
	2016	2017	2018 <sup>1</sup>	
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(percent)
<b>Long grain</b>				
Arkansas .....	1,410	995	1,150	116
California .....	9	7	5	71
Louisiana .....	413	370	380	103
Mississippi .....	195	115	120	104
Missouri .....	230	160	210	131
Texas .....	185	164	165	101
United States .....	2,442	1,811	2,030	112
<b>Medium grain</b>				
Arkansas .....	135	165	180	109
California .....	490	400	385	96
Louisiana .....	24	30	30	100
Mississippi .....	-	-	-	(X)
Missouri .....	6	9	9	100
Texas .....	10	9	5	56
United States .....	665	613	609	99
<b>Short grain</b>				
Arkansas .....	1	1	1	100
California <sup>2</sup> .....	42	38	50	132
United States .....	43	39	51	131
<b>All</b>				
Arkansas .....	1,546	1,161	1,331	115
California .....	541	445	440	99
Louisiana .....	437	400	410	103
Mississippi .....	195	115	120	104
Missouri .....	236	169	219	130
Texas .....	195	173	170	98
United States .....	3,150	2,463	2,690	109

- Represents zero.

(X) Not applicable.

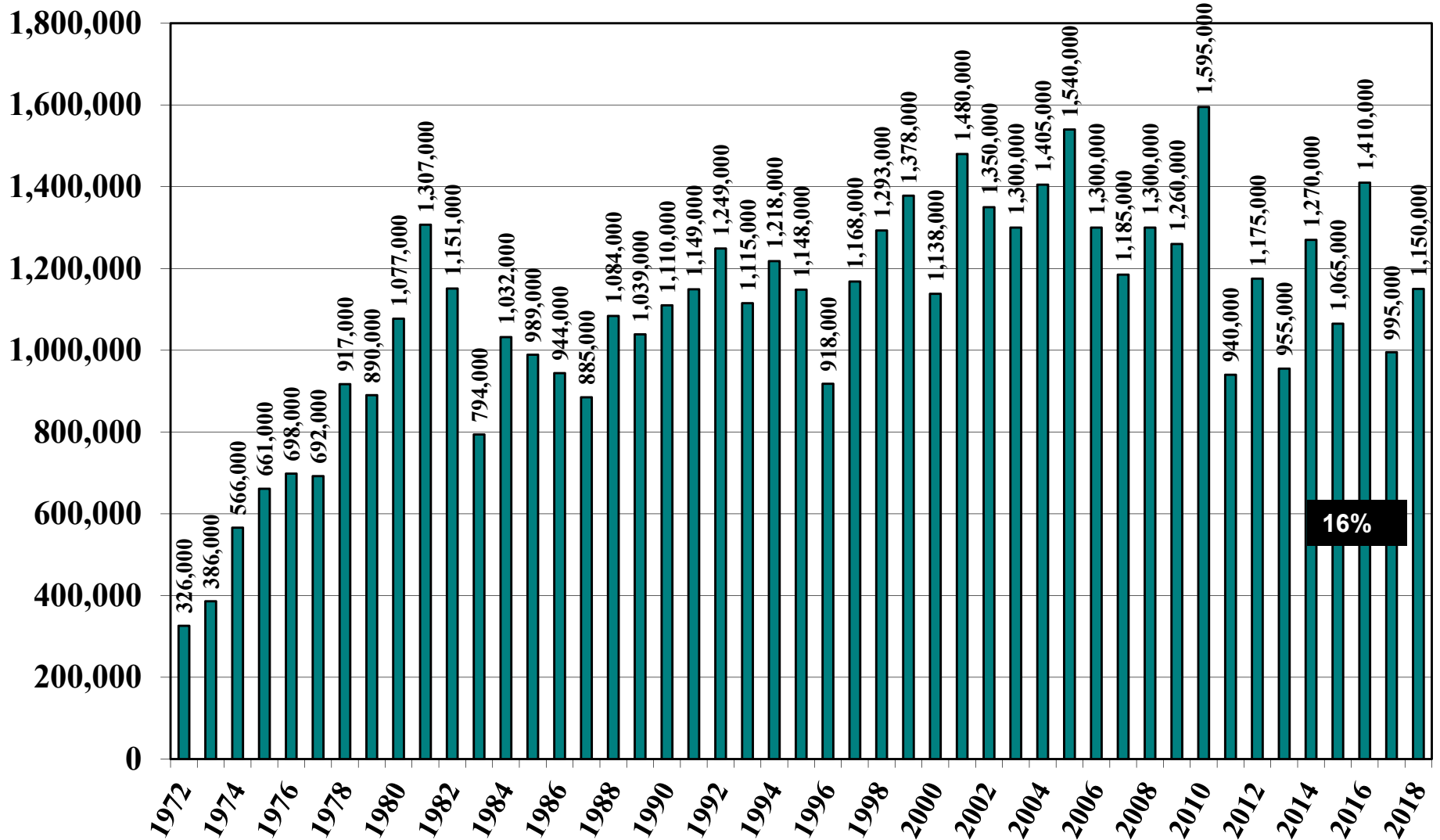
<sup>1</sup> Intended plantings in 2018 as indicated by reports from farmers.

<sup>2</sup> Includes sweet rice.

***Arkansas Long Grain  
Rice Acreage***

# Arkansas Long Grain Rice

USDA **Planted Acres** 1972-2017, Prospective March 29, 2018

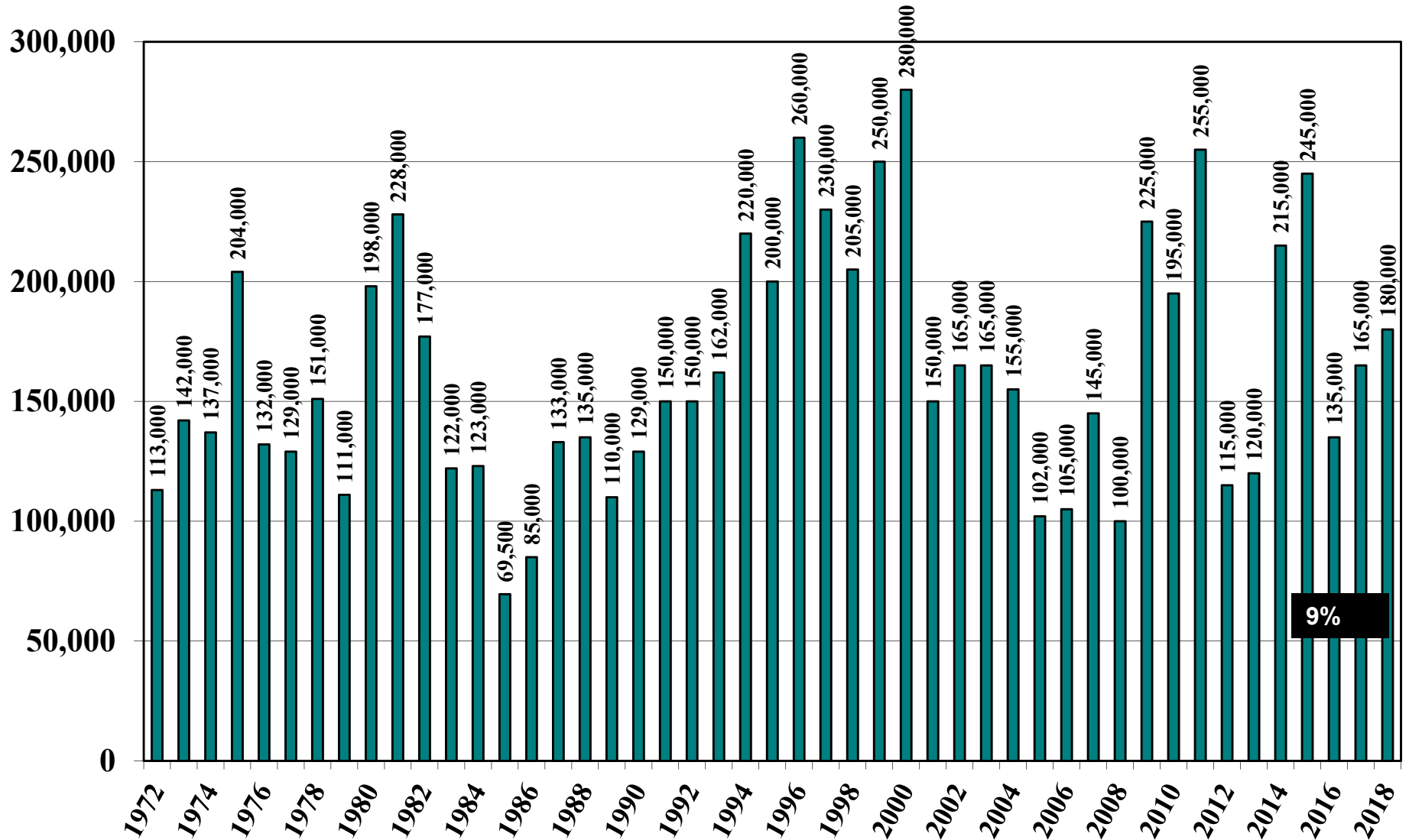


March 29, 2018

***Arkansas Medium Grain  
Rice Acreage***

# Arkansas Medium Grain Rice

## USDA Planted Acres 1972-2017, Prospective March 29, 2018

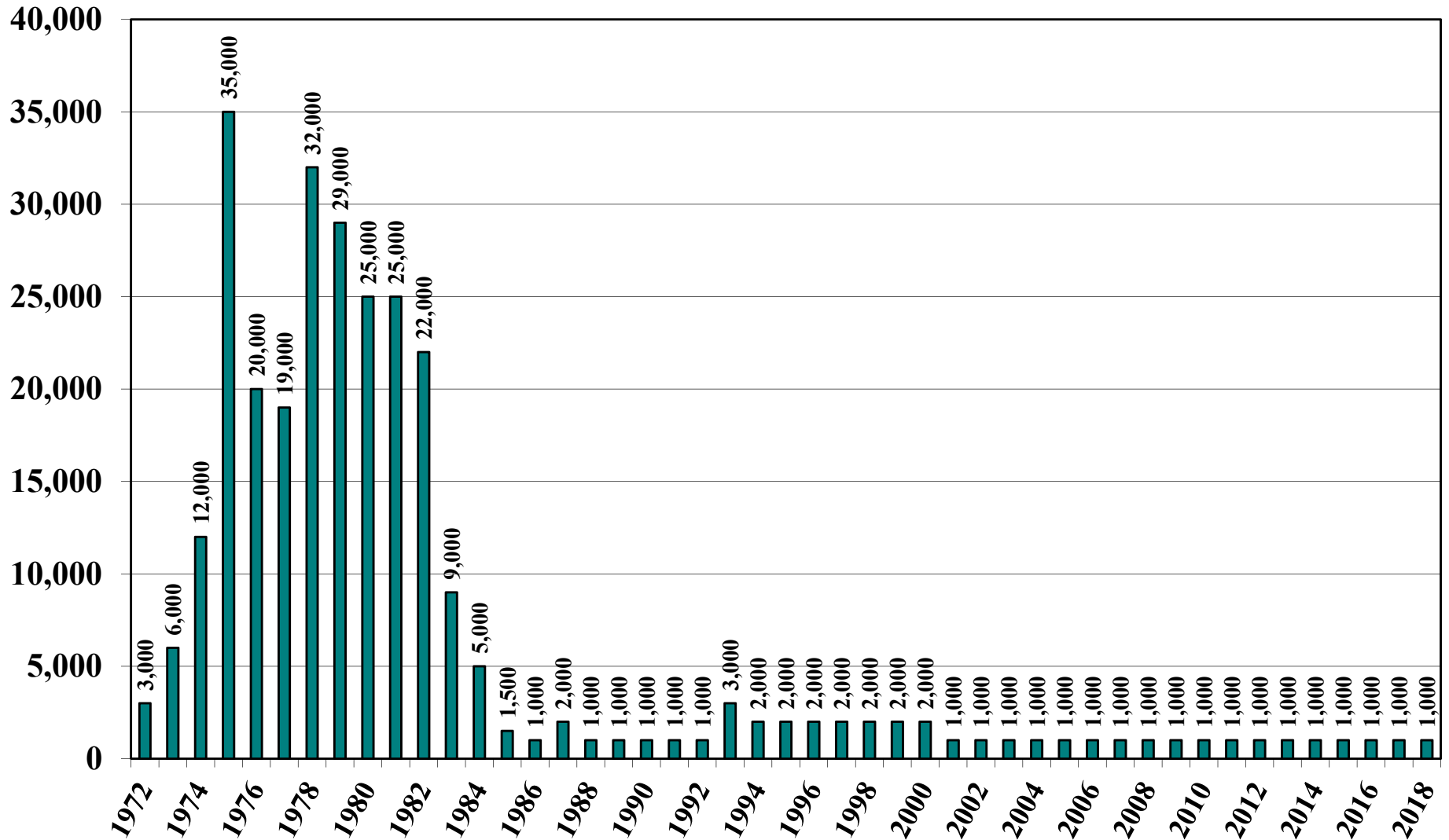


March 31, 2017

***Arkansas Short Grain  
Rice Acreage***

# Arkansas Short Grain Rice

## USDA Planted Acres 1972-2017, Prospective March 29, 2018



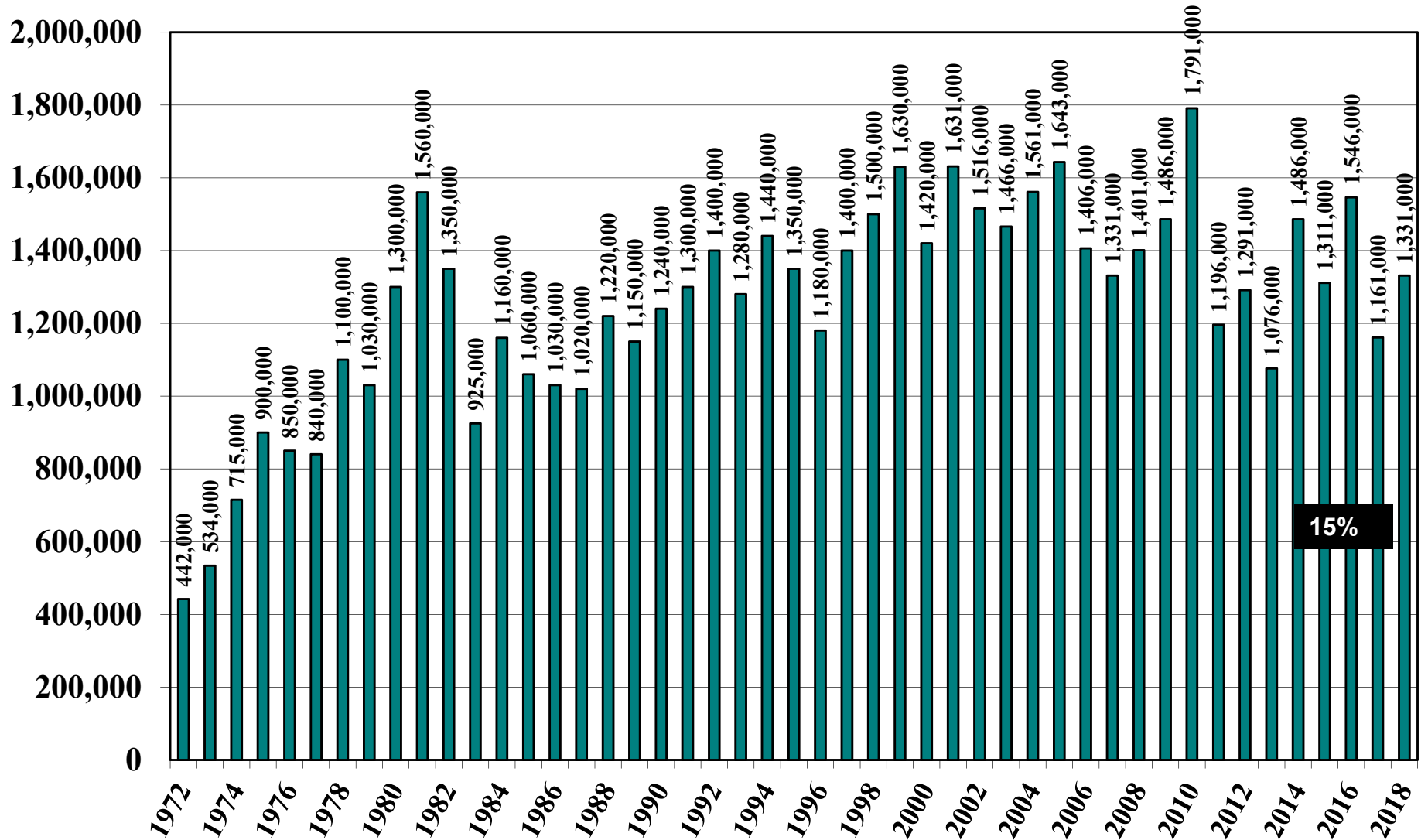
March 31, 2017

# ***Arkansas All Rice Acreage***



# Arkansas All Rice

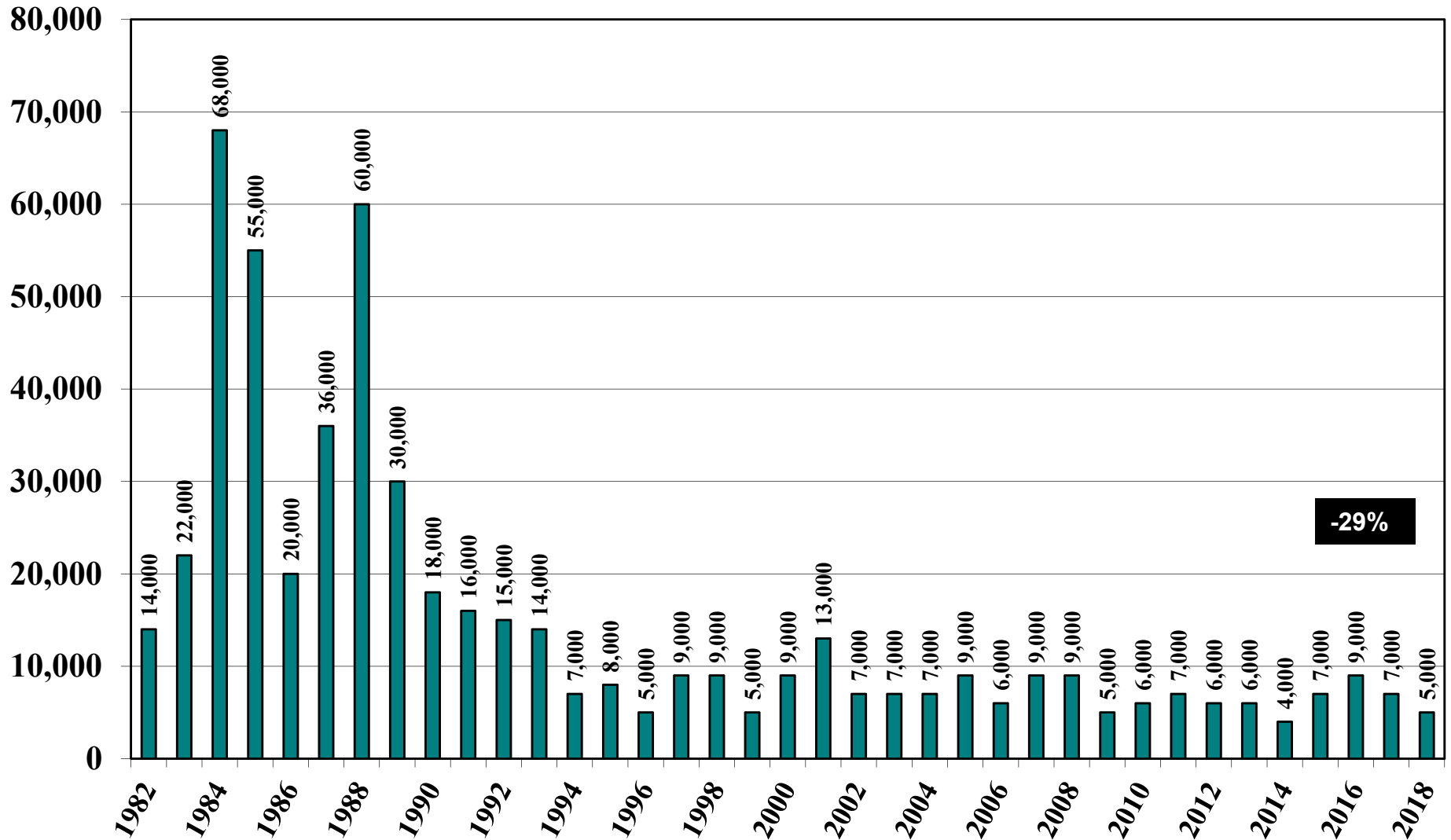
## USDA Planted Acres 1972-2017, Prospective March 29, 2018



March 31, 2017

***California Long Grain  
Rice Acreage***

# California Long Grain Rice Planted Acres 1982-2017, Prospective March 29, 2018

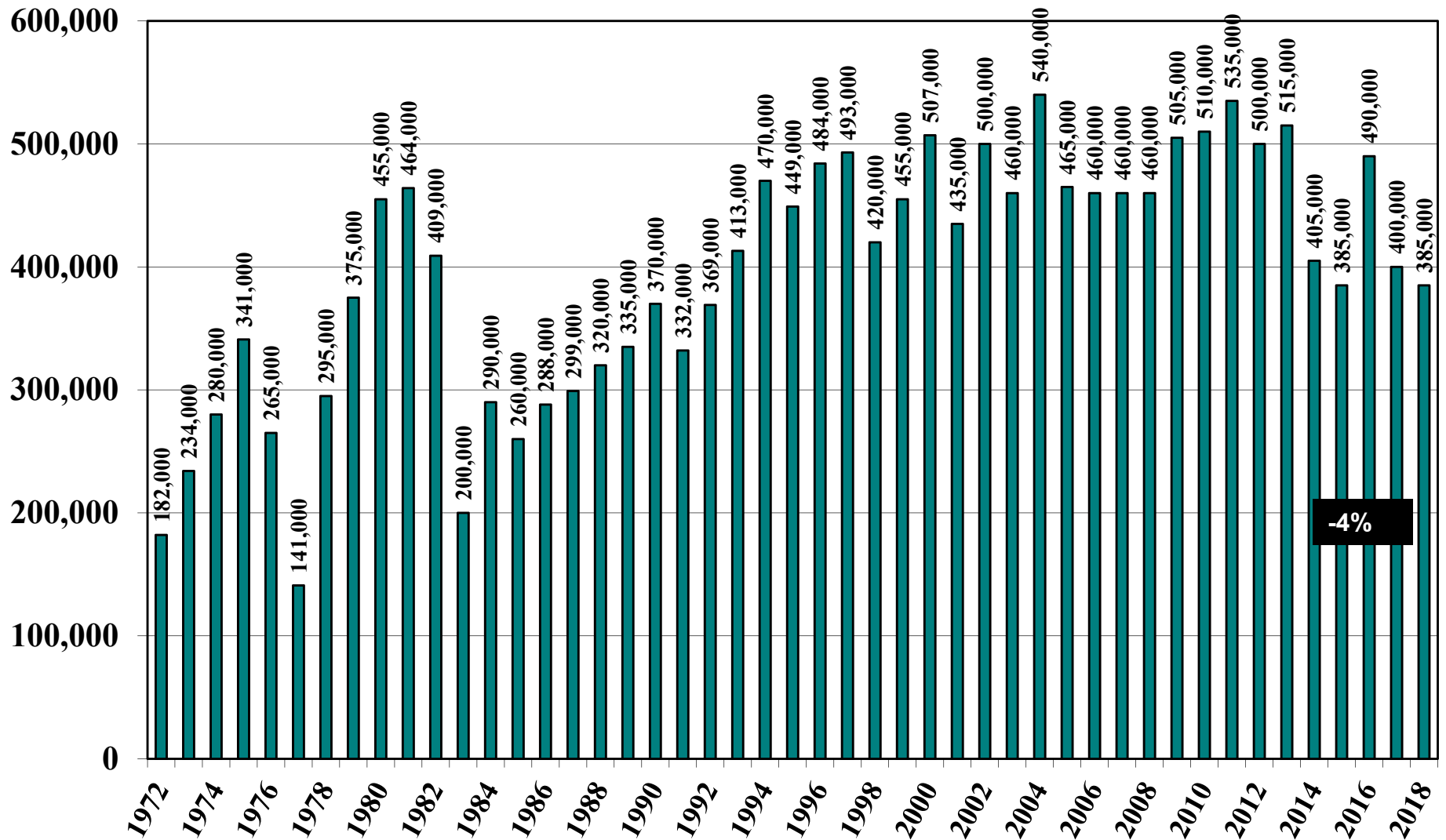


March 31, 2017

***California Medium Grain  
Rice Acreage***

# California Medium Grain Rice

## Planted Acres 1972-2017, Prospective March 29, 2018

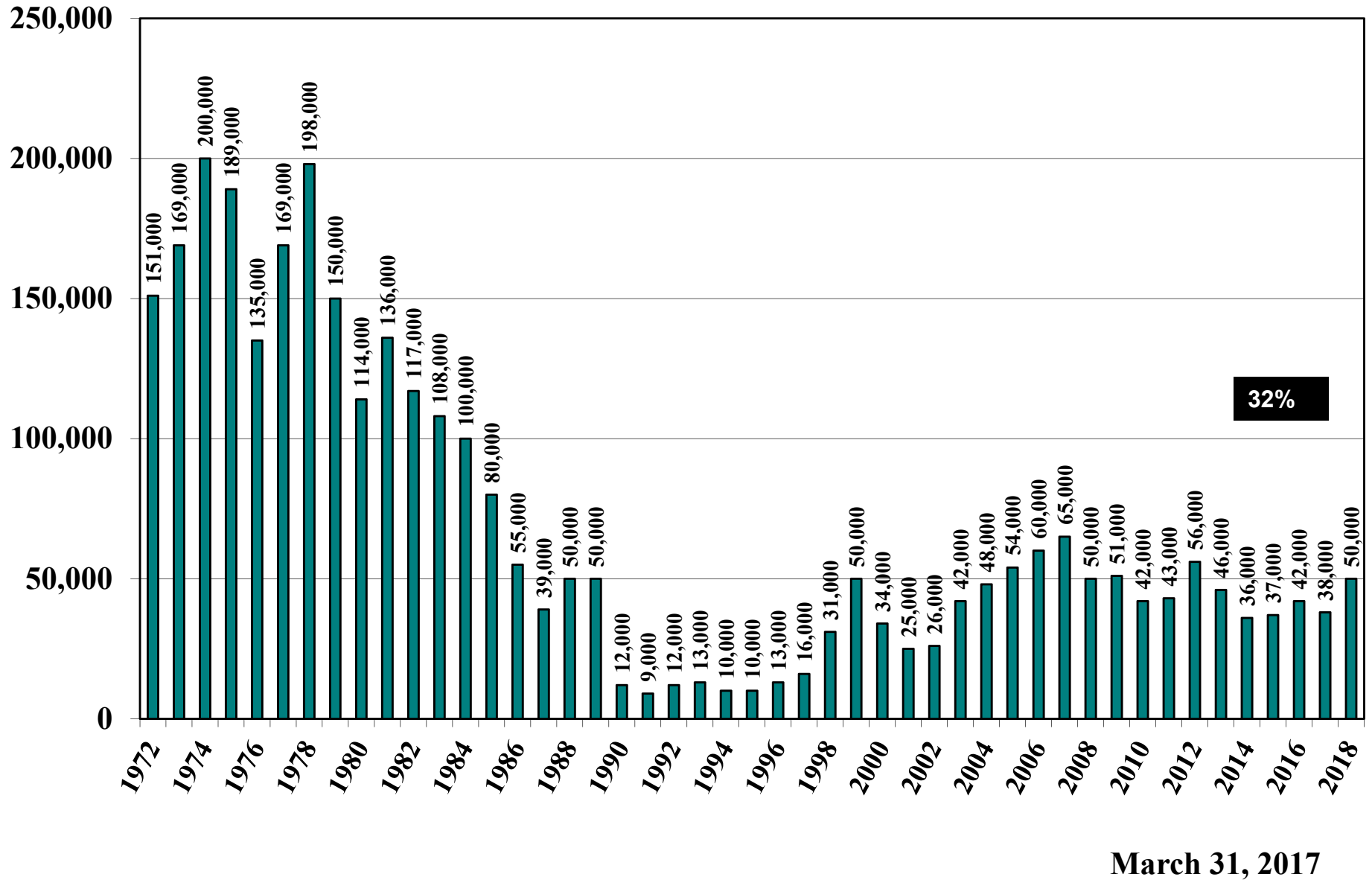


March 31, 2017

***California Short Grain  
Rice Acreage***

# California Short Grain Rice

## Planted Acres 1972-2017, Prospective March 29, 2018

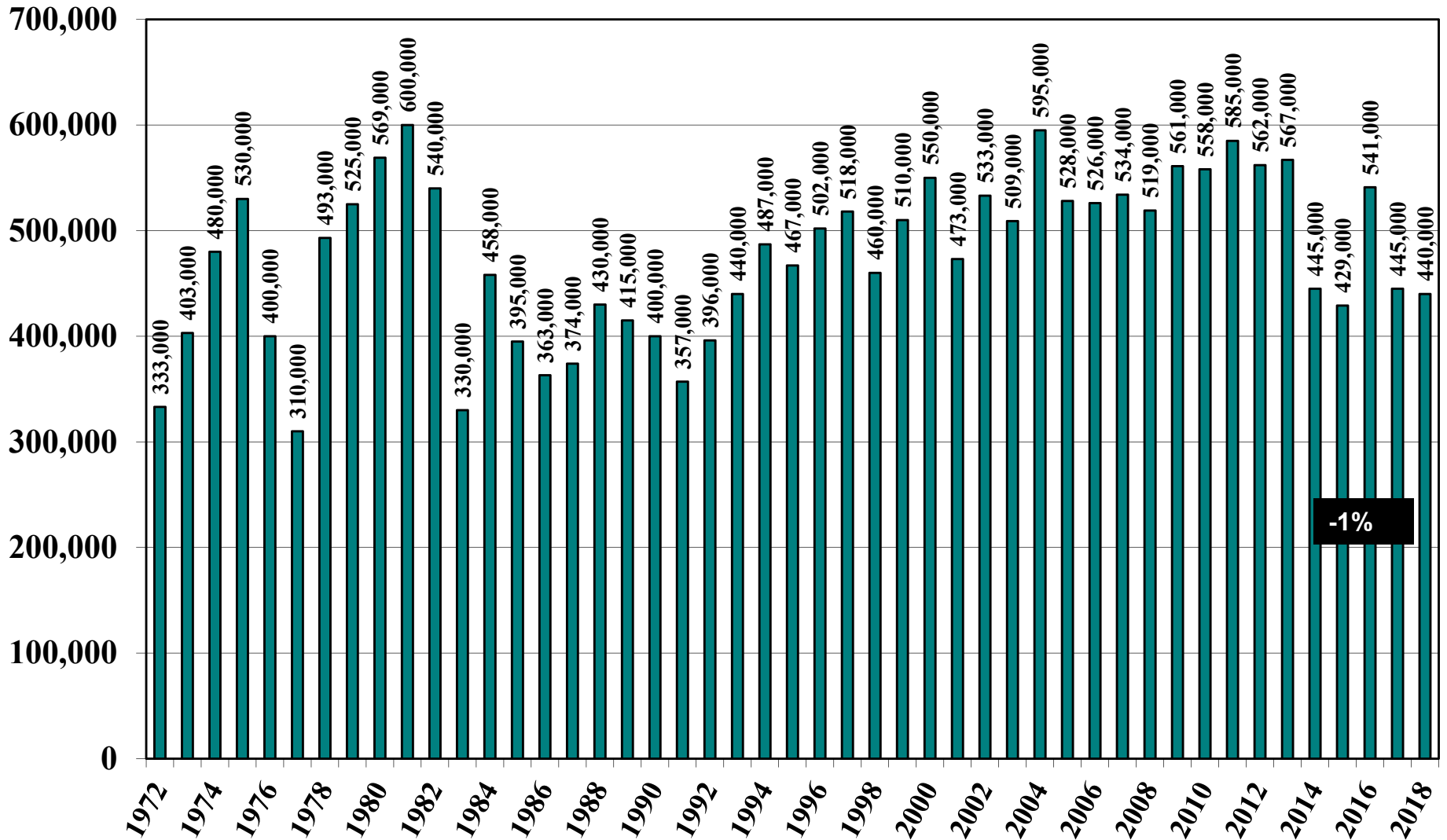


# ***California All Rice Acreage***



# California All Rice

## Planted Acres 1972-2017, Prospective March 29, 2018

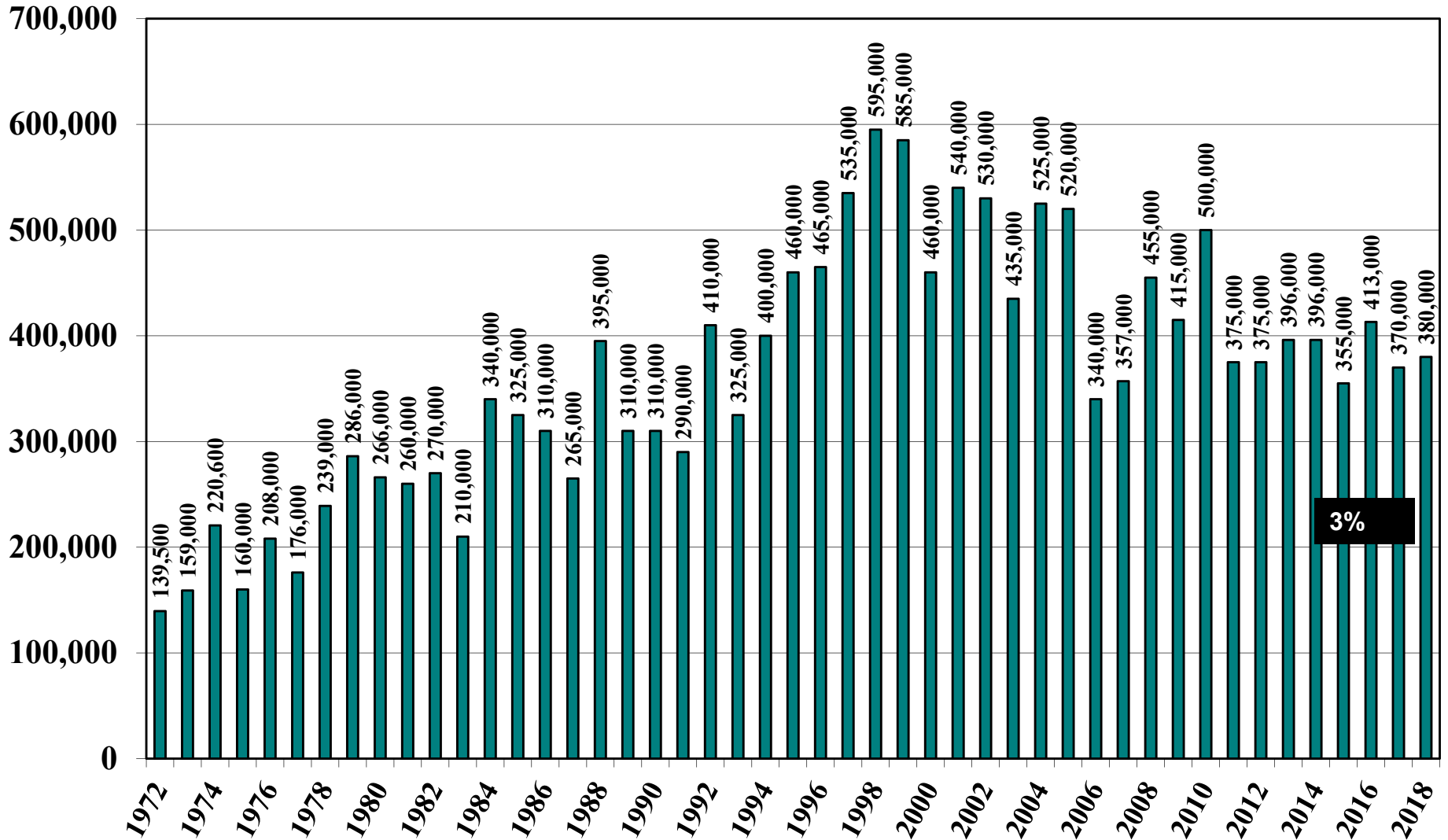


March 31, 2017

***Louisiana Long Grain  
Rice Acreage***

# Louisiana Long Grain Rice

## Planted Acres 1972-2017, Prospective March 29, 2018

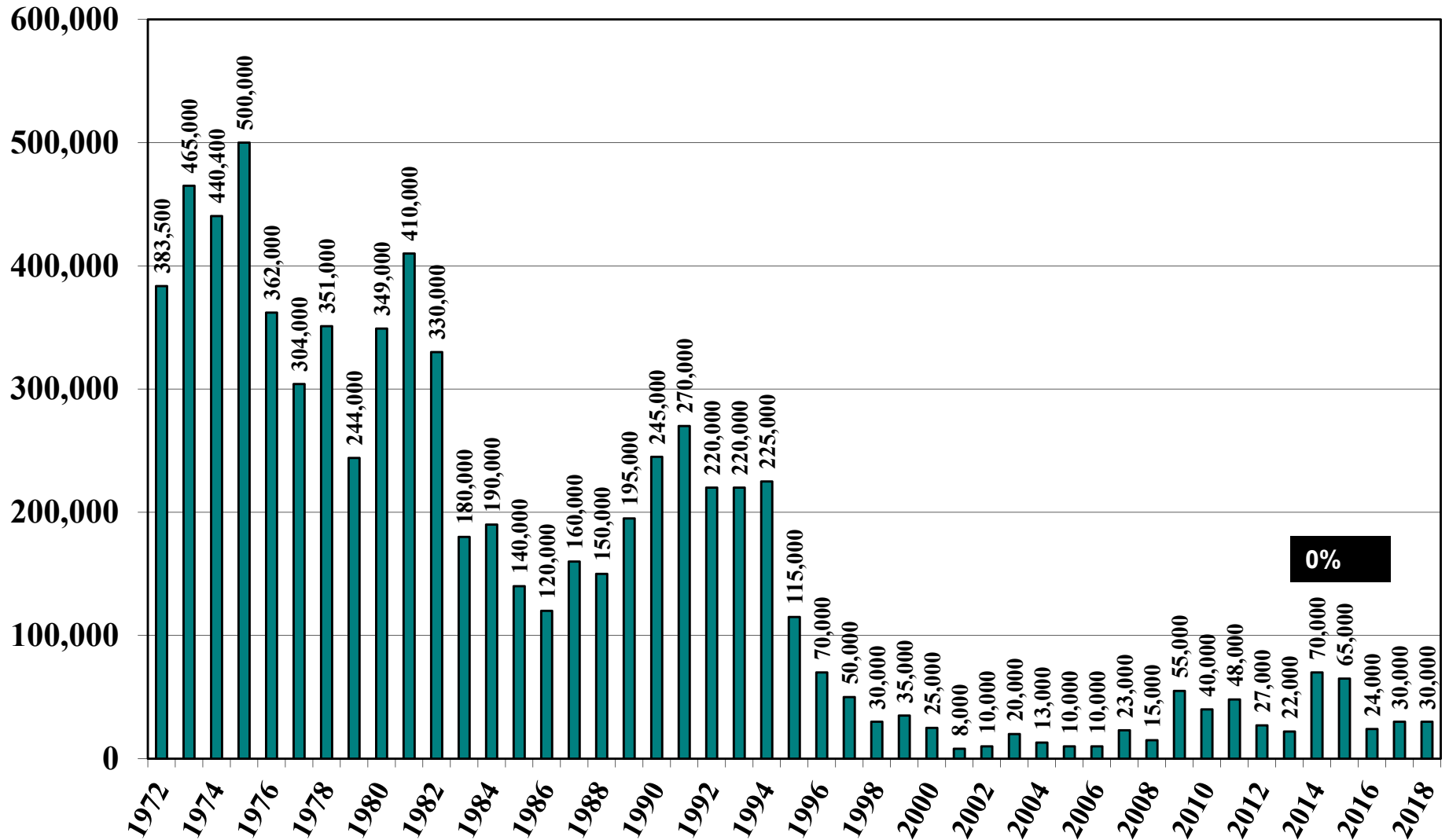


March 31, 2017

***Louisiana Medium Grain  
Rice Acreage***

# Louisiana Medium Grain Rice

## Planted Acres 1972-2017, Prospective March 29, 2018

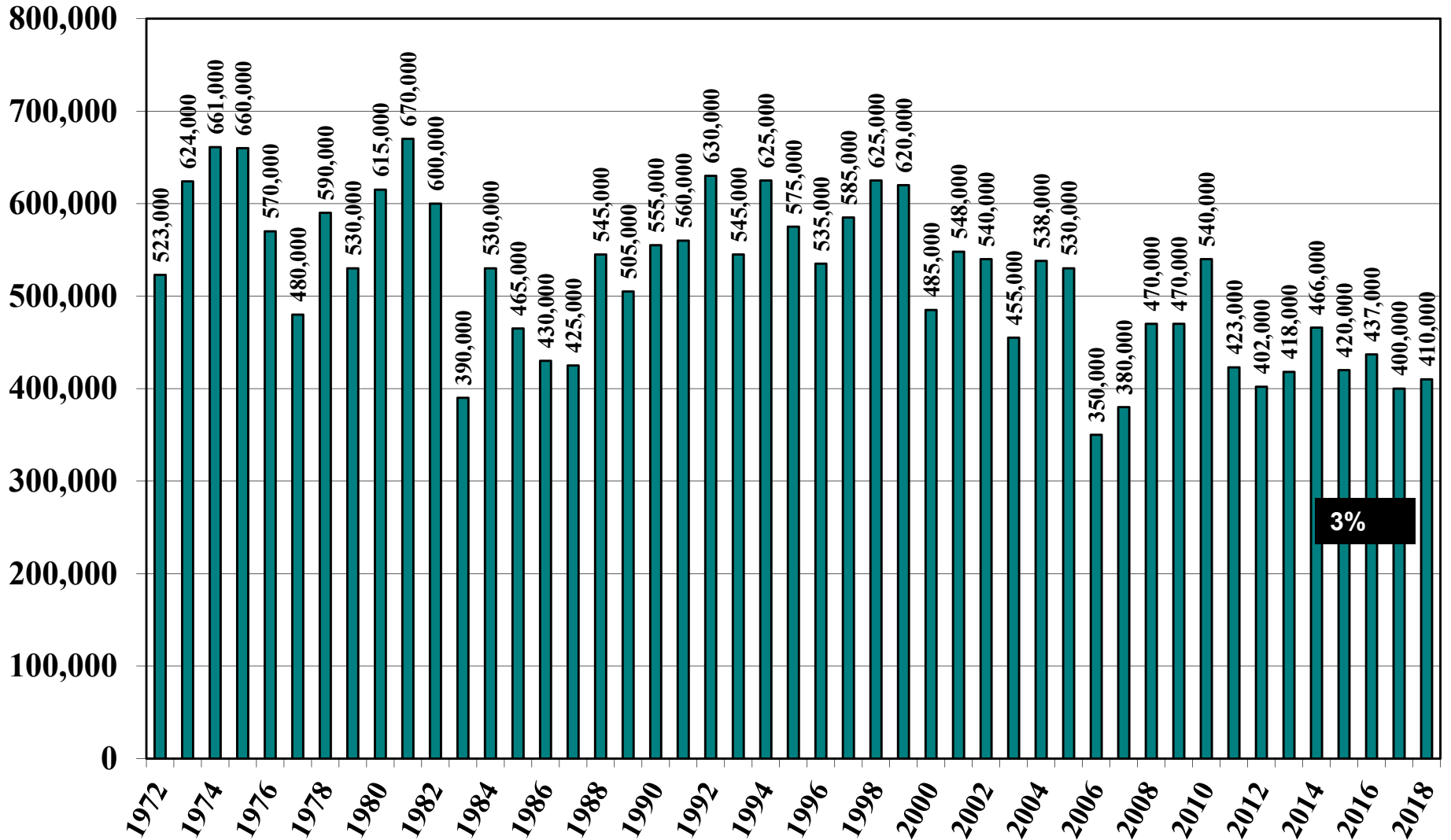


March 31, 2017

# ***Louisiana All Rice Acreage***

# Louisiana All Rice

## Planted Acres 1972-2017, Prospective March 29, 2018



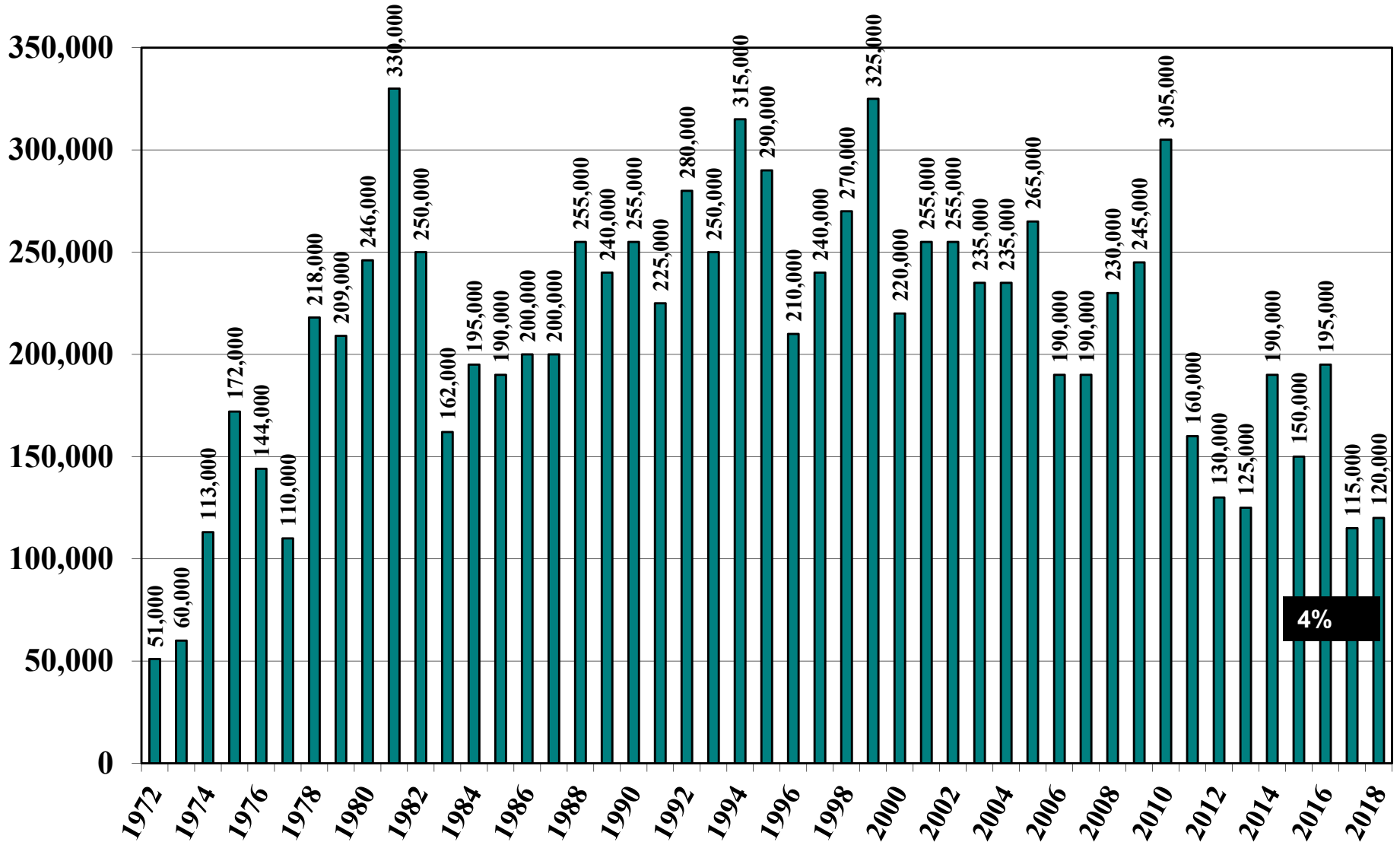
March 31, 2017

***Mississippi Long Grain  
Rice Acreage***



# Mississippi Long Grain Rice

## Planted Acres 1972-2017, Prospective March 29, 2018

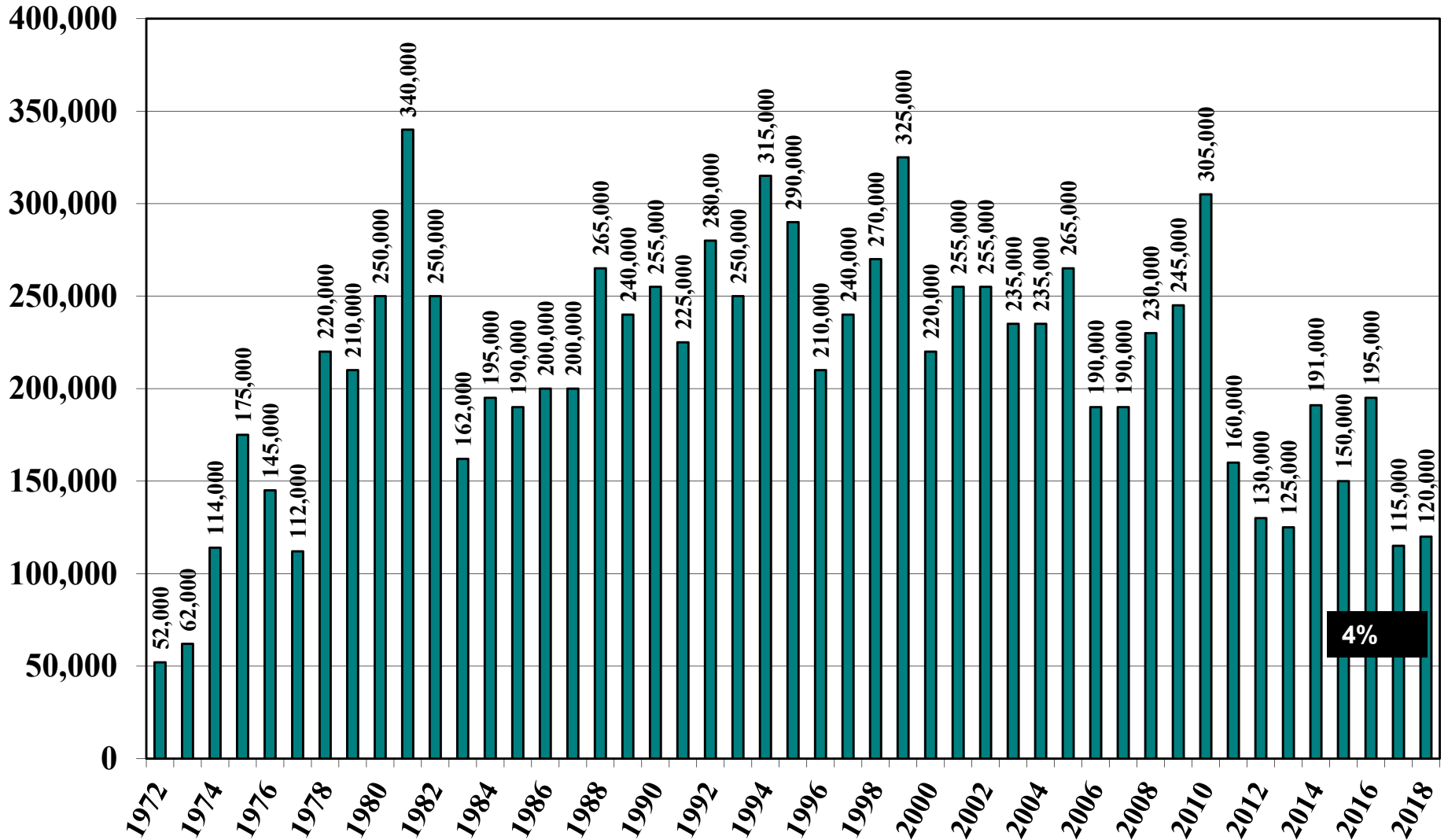


March 31, 2017

# ***Mississippi All Rice Acreage***

# Mississippi All Rice

## Planted Acres 1972-2017, Prospective March 29, 2018

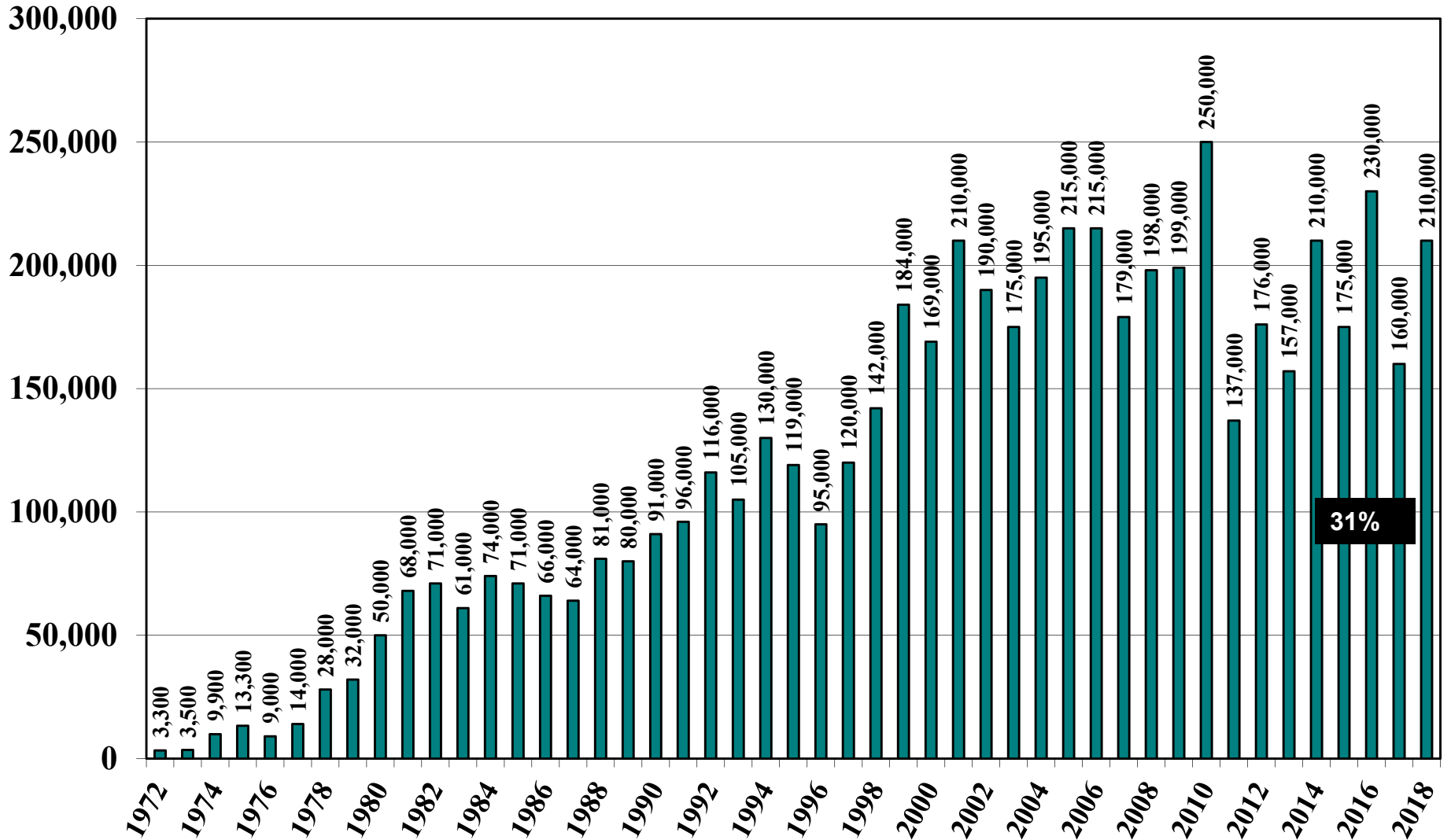


March 31, 2017

***Missouri Long Grain  
Rice Acreage***

# Missouri Long Grain Rice

## Planted Acres 1972-2017, Prospective March 29, 2018

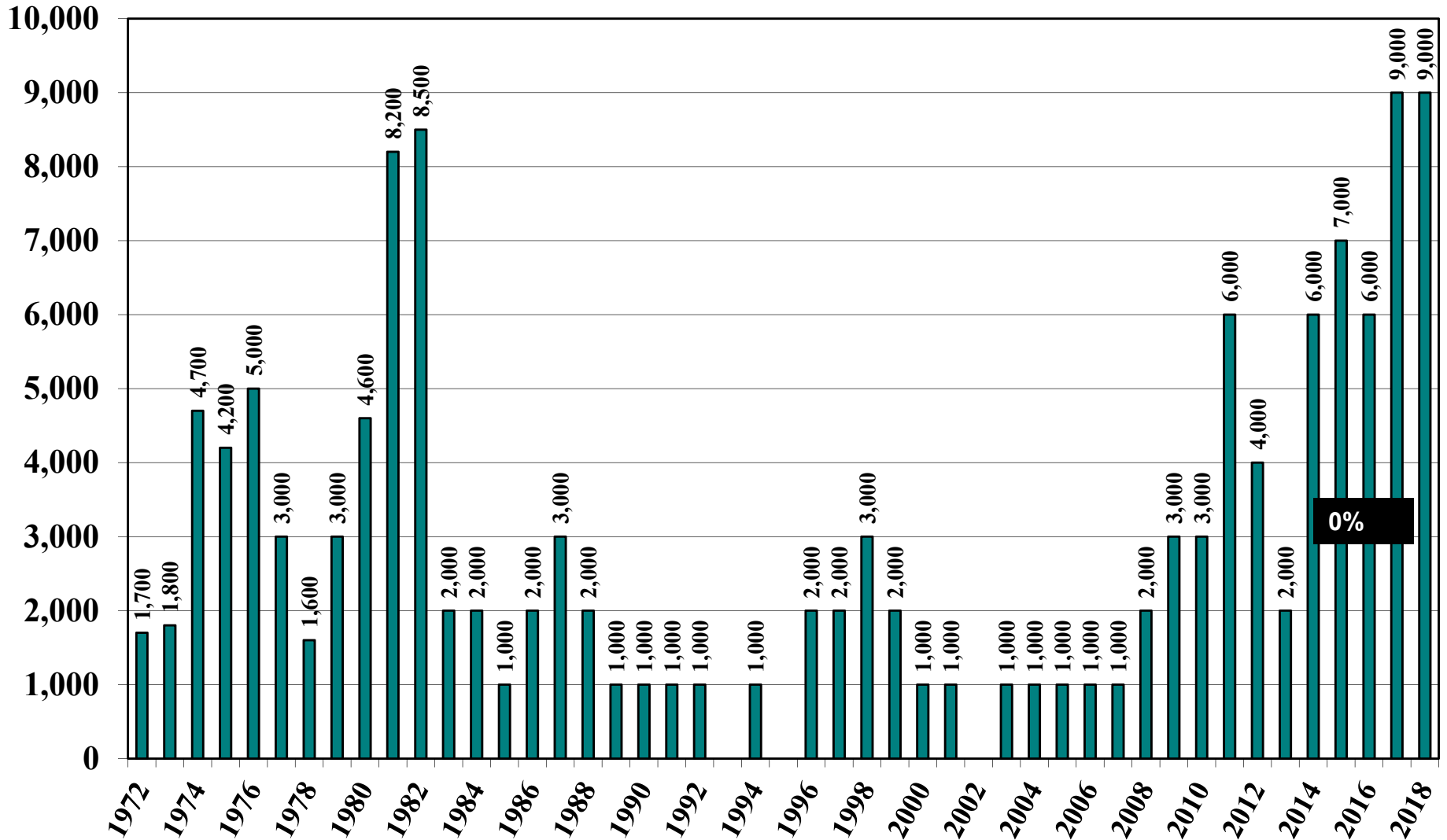


March 31, 2017

***Missouri Medium Grain  
Rice Acreage***

# Missouri Medium Grain Rice

## Planted Acres 1972-2017, Prospective March 29, 2018

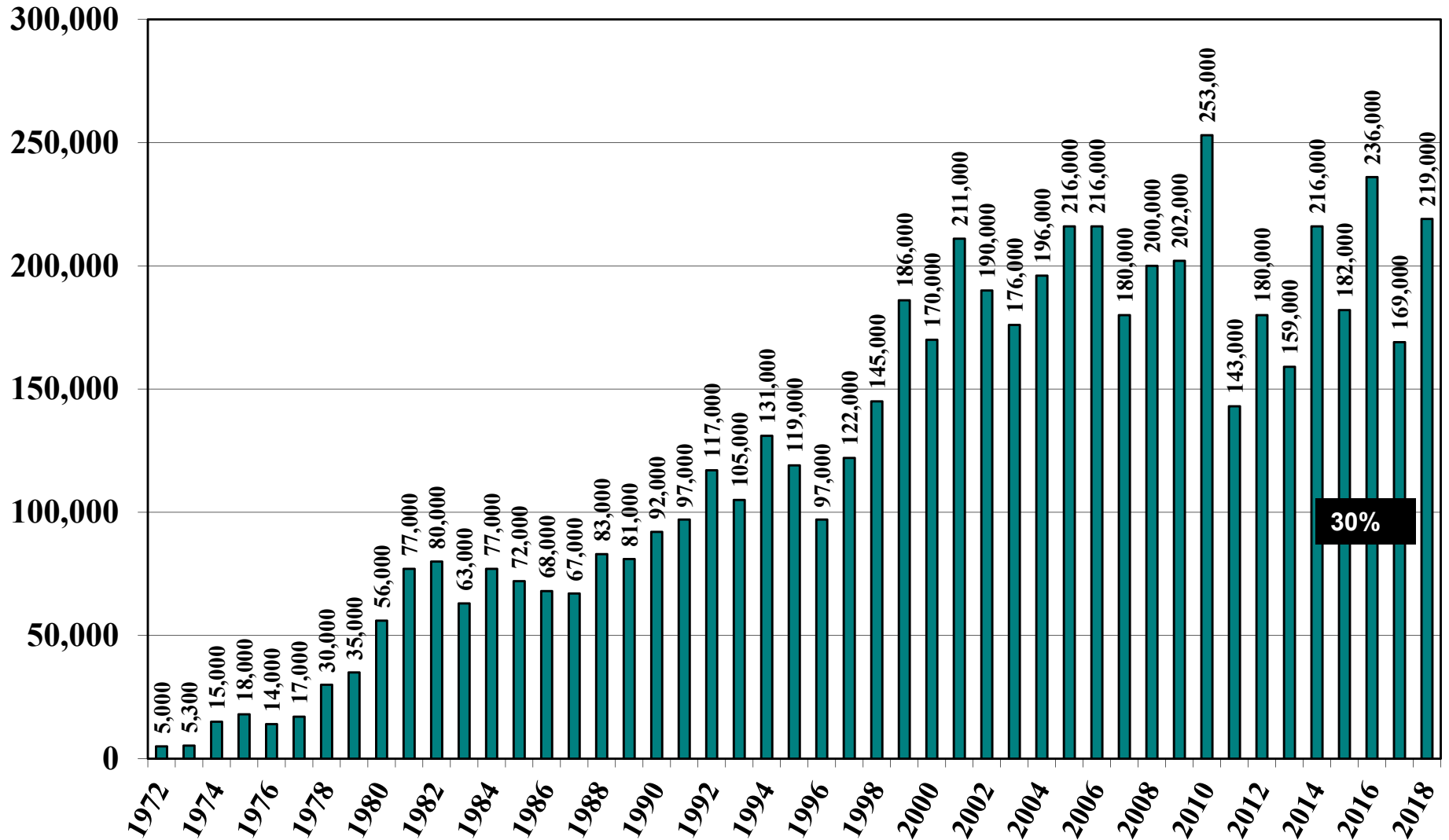


March 31, 2017

# ***Missouri All Rice Acreage***



# Missouri All Rice Planted Acres 1972-2017, Prospective March 29, 2018

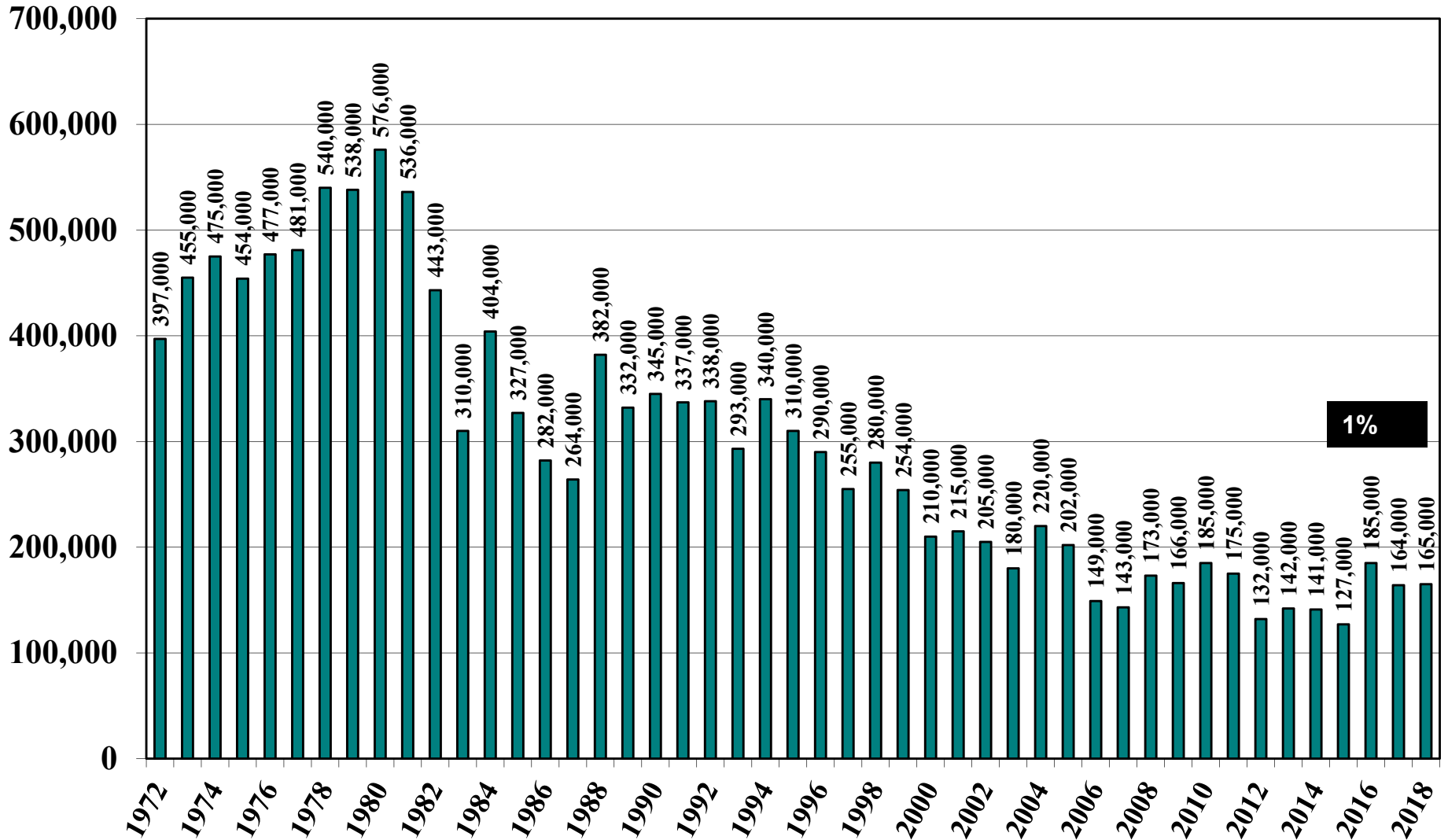


March 31, 2017

***Texas Long Grain  
Rice Acreage***

# Texas Long Grain Rice

## Planted Acres 1972-2017, Prospective March 29, 2018

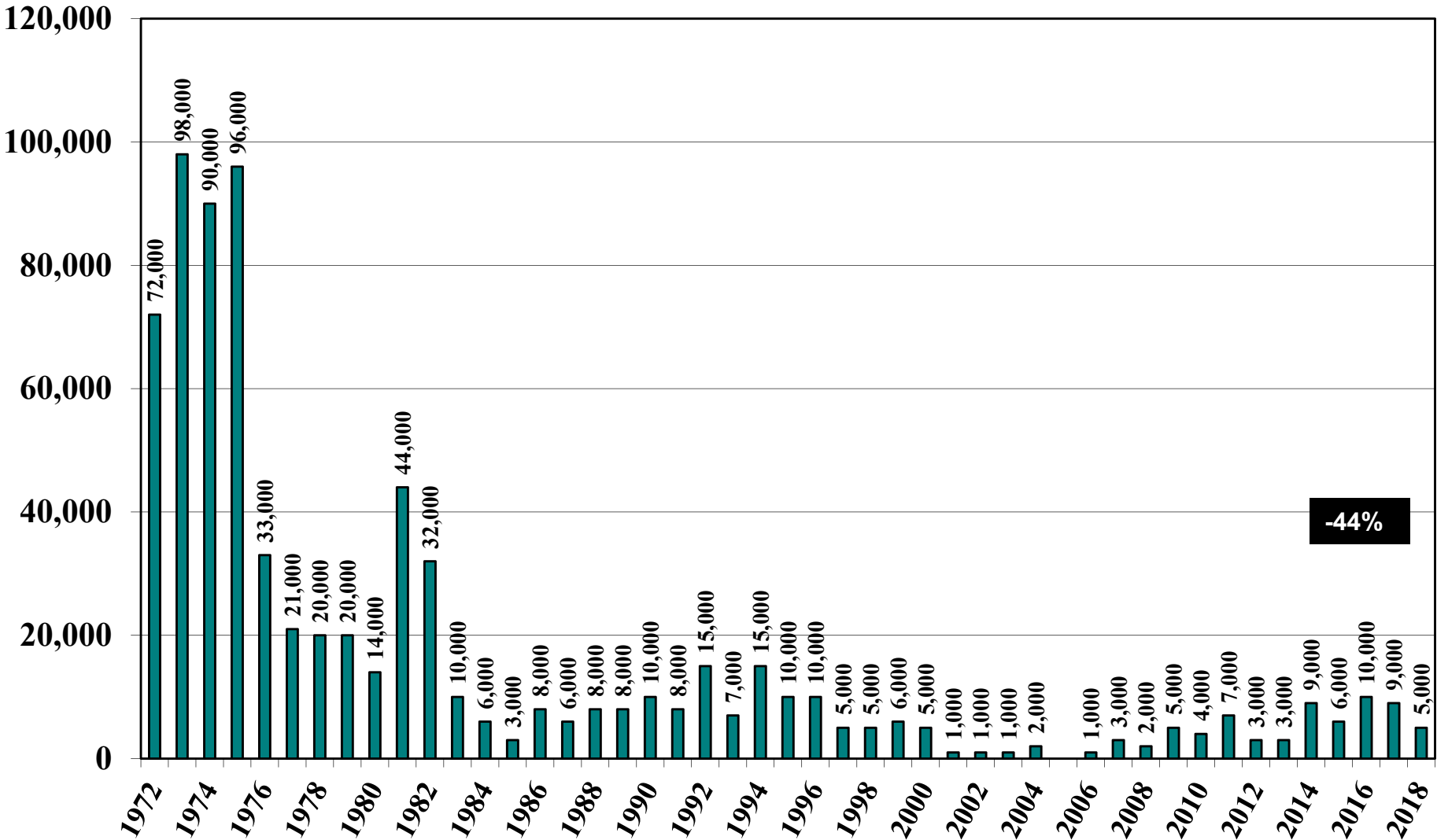


March 31, 2017

***Texas Medium Grain  
Rice Acreage***

# Texas Medium Grain Rice

## Planted Acres 1972-2017, Prospective March 29, 2018

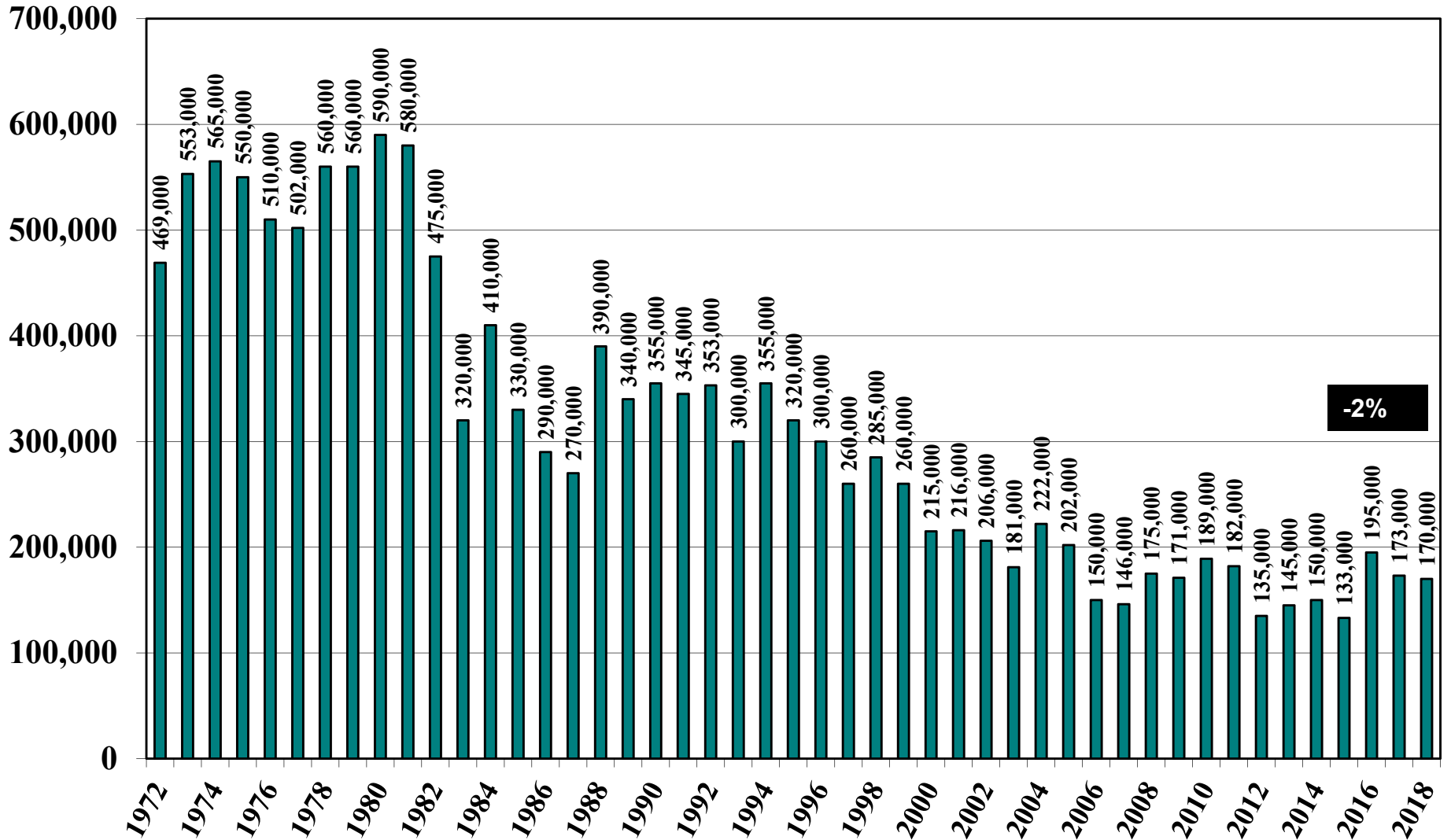


March 31, 2017

# ***Texas All Rice Acreage***

# Texas All Rice

## Planted Acres 1972-2017, Prospective March 29, 2018



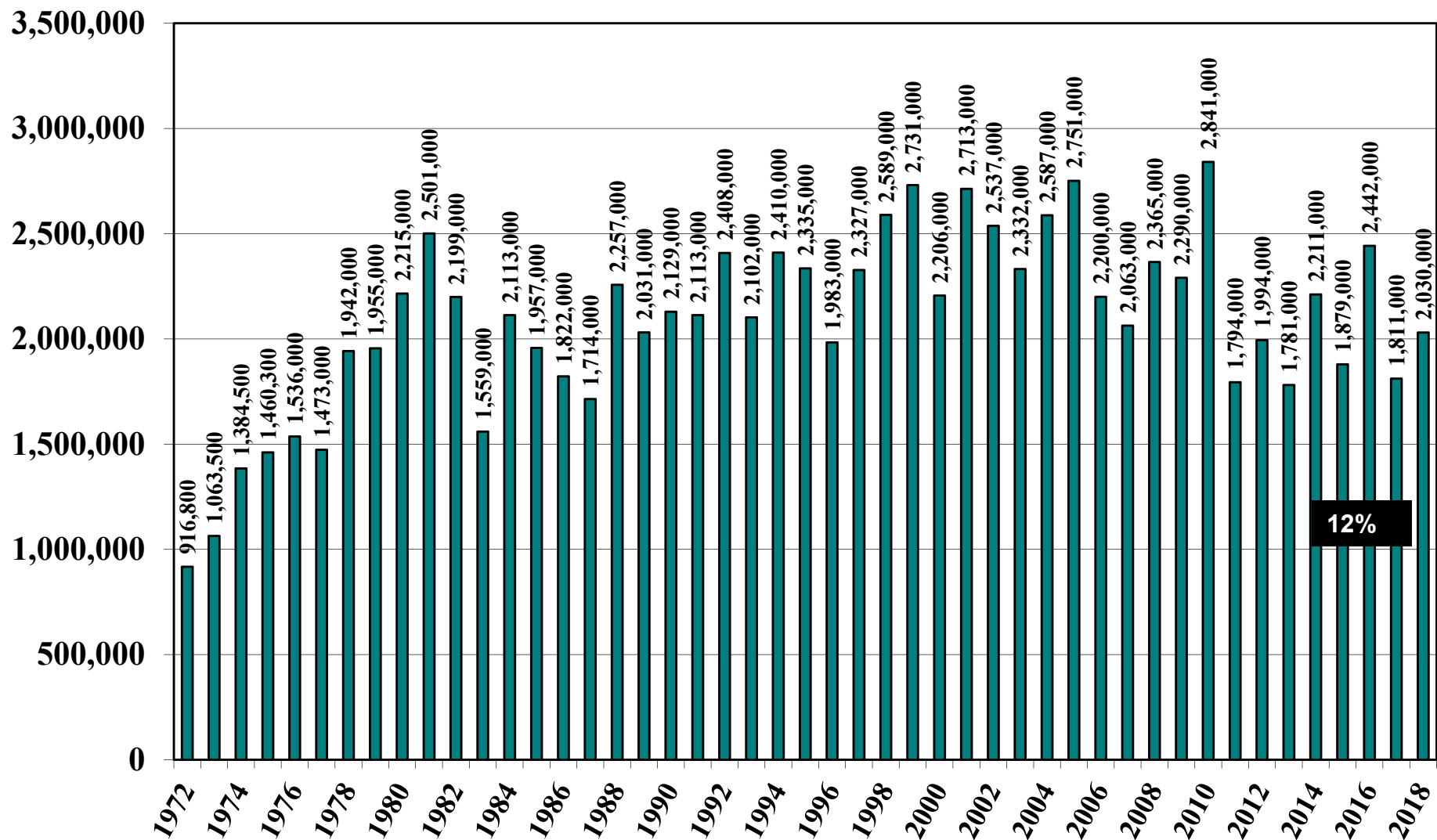
March 31, 2017

***United States Long Grain  
Rice Acreage***



# United States Long Grain Rice

## Planted Acres 1972-2017, Prospective March 29, 2018

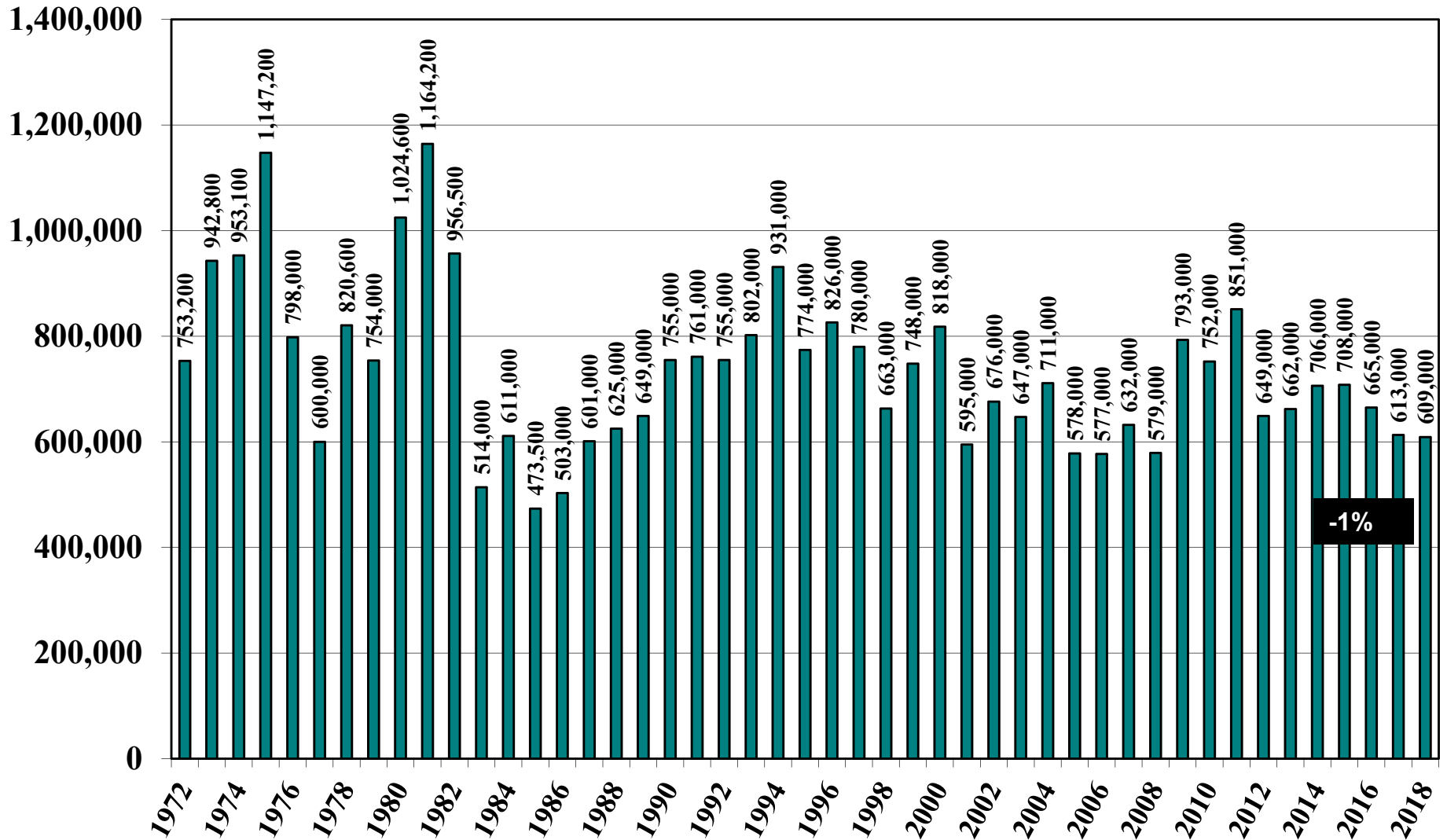


September 1, 2016

***United States Medium Grain  
Rice Acreage***

# United States Medium Grain Rice

## Planted Acres 1972-2017, Prospective March 29, 2018

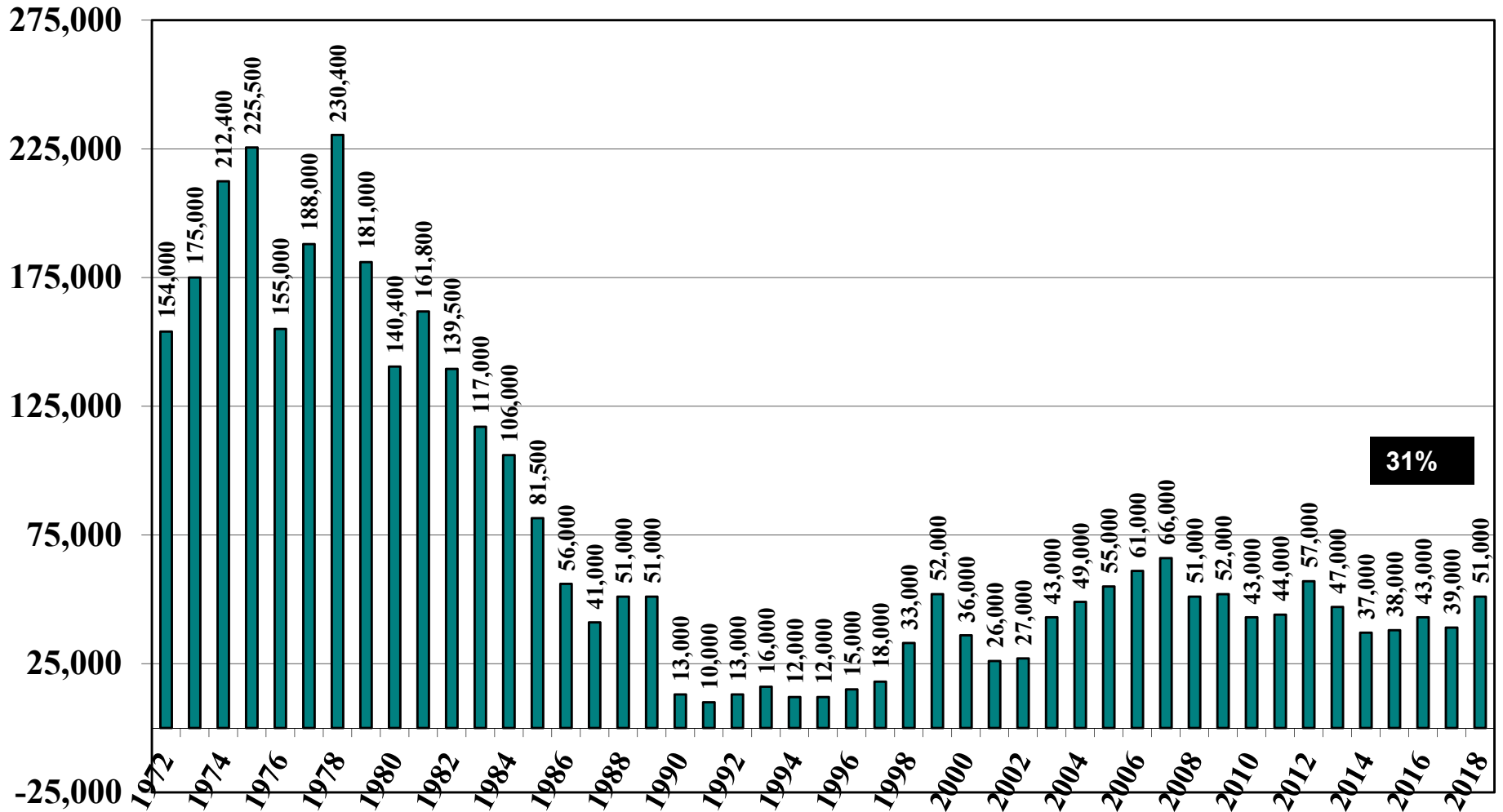


September 1, 2016

***United States Short Grain  
Rice Acreage***

# United States Short Grain Rice

## Planted Acres 1972-2017, Prospective March 29, 2018

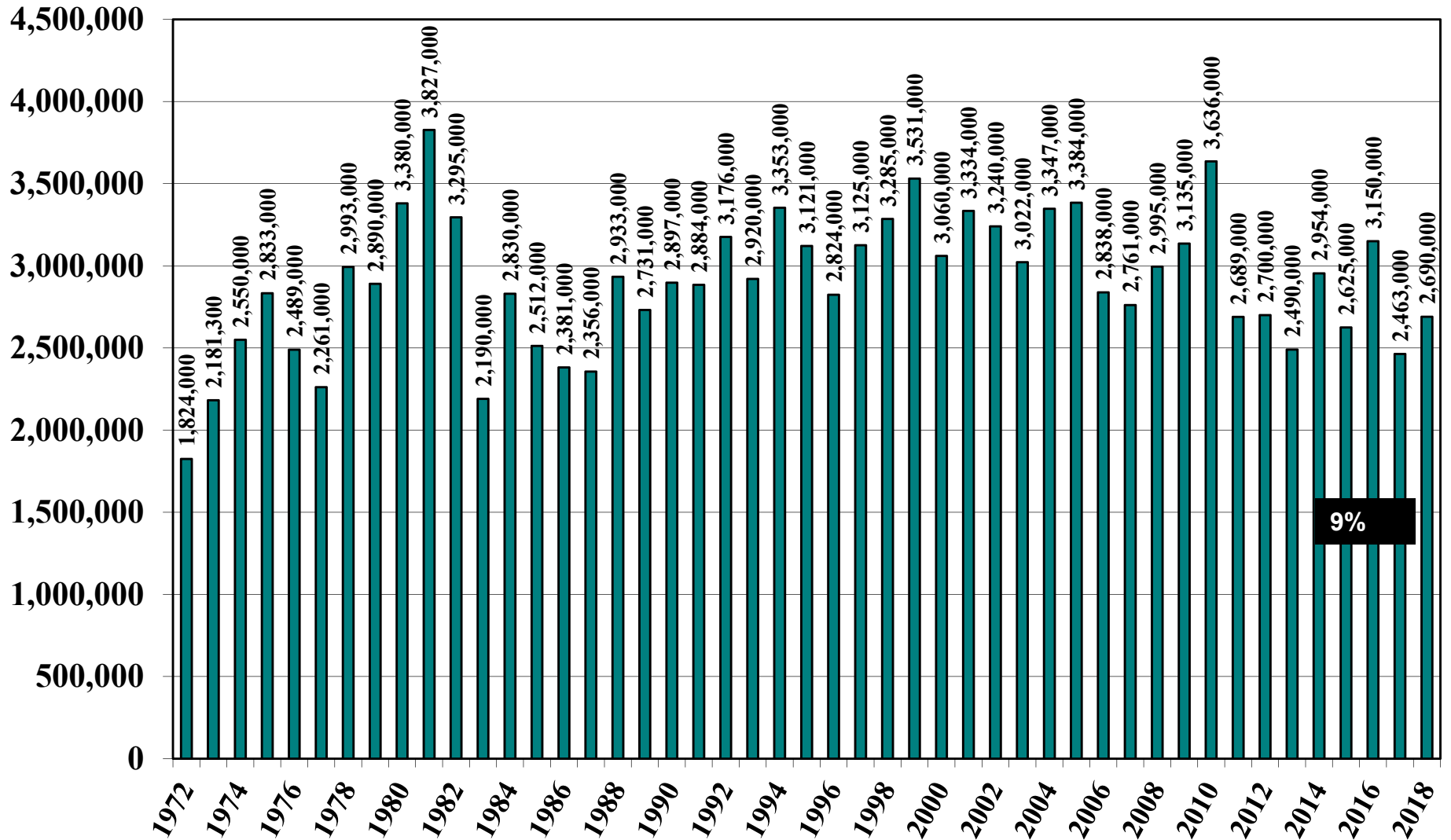


September 1, 2016

***United States***  
***All Rice Acreage***

# United States All Rice

## Planted Acres 1972-2017, Prospective March 29, 2018



September 1, 2016