BUREAU OF AGRICULTURAL ECONOMICS
UNITED STATES DEPARTMENT OF AGRICULTURE

$$
c=105
$$

AUGUST 1945

COTTON: EXPORTS FROM PRODUCING COUNTRIES, 1920-43

U. S. DEPARTMENT OF AGRICULTURE

NEG. 45424 BUREAU OF AGRICULTURAL ECONOMICS

The war and the accompanying blockade of shipping caused a number of important importing countries on the Continent of Europe, aswell as Japan, to be entirely cut off from their principal source of supply of raw cotton. In the United Kingdon, the greater importance of other kinds of industrial production resulted in a contraction of the cotton textile industry. These factors greatly reduced the world export trade raw cotton.

Although exports are expected to rise materially above wartime levels in 1945-46 they will, nevertheless, be substantially below prewar levels.

## THE COTTONSITUATION

## Contents

Page
The Domestic Cotton Situation ..... 3
Important To Protect Grade of 1945 Production; Price Incentive Present ..... 3
Govermment Loan Rate of Midaling 15/16 Inch Cotton at Average Location 21.09 Cents Per Pound ..... 3
Loan Rates Announced for 1945 Crop Americanomgyptian Cotton ..... 4
Domestic Carry-Over Increases for Third Successive Season ..... 5
1945 Crop 17 Percent Smaller Than 1944 ..... 5
1945 Domestic Supply of American Cotton Smallest5
Total Registered Sales Close to 600,000 Bales ..... 5
June Exports Highest in Iwo Years ..... 6
Domestic Consumption Declined Sharply in July ..... 6
Spot Market Prices Slightly Weaker ..... 7
Farm Price of Cotton Below Parity in 11 of Past 12 Months And 25 of Past 26 Months ..... 7
Parity Equivalent Higher ..... 7
Tables:Cotton. White and Extra White: Price per 500-pound bale ofStrict Middling, Middling, Strict Low Middling, Low Middling,and Strict Good Ordinary, and changes by staple lengths.Memphis. Aug. 14, 1944 and Aug. 14, $1945 \ldots 0000.0 .0 .0$8
Cotton, White and Ixtra White: Premium for 500-pound baleof Strict Middiling over Middiing, and Middling over StrictLow Middling, Low Middling, and Strict Good Ordinary, andchanges by staple lengths. Memphis. Aug. 14,1944 andAug. 14.19459
Statistical Summary ..... 10
Statistical Summary ..... 11

## Important To Protect Grade of 1945 <br> Production, Price Incentive Present

Present grade and staple premiums and discounts ere so wide that there is considerable incentive for farmers to pick their 1945 crop with as much care ás the availability of plckers permits. As in other recent years, there is considerable need, from an income standpoint, for farmers to hold the grade of as much of their cotton as possible above Low Midaling. The sumply of cotton of Low Midding and lower in grade continues abnormally large. So long as this condition continues discounts for these qualities are likely to continue mech wider than are considered to be normal. At Mempis, for erample, the discount from Midding $15 / 16$ inch cotton for cotton of a grade of Low Midding ranged from 150 points for cotton heving a stapie length of l-1/4 inch to 675 points for $13 / 16$ inch cotton.

If by exercising more care in zicking and handing, the cotton, which would be Iow Middling in grade, can be prevented from declining below Strict Low Midding, the value' per bale based on Memphis quotations as of August 14 would increase $\$ 12.25$ on $7 / 8$ inch cotton, $\$ 12.50$ on $15 / 16$ inch, $\$ 13.50$ on 1 inch, $\$ 15.25$ on 1-1/6 inch, $\$ 20.25$ on 1-1/8 inch, $\$ 34.50 \mathrm{cn} 1-3 / 16$ inch, and $\$ 43.25$ on $1-1 / 4$ inch. These are sizable monetary increases. Tirey are also impressive when measured in terms of the fercentage by wheh tise value of the bale of Strict Low Midding exceeds the value of a bale of Low Midaling. These percentages are 13 or 14 for $7 / \mathrm{s}$ inch, $15 / 16$ inch, and 1 inch; 15 for 1-1/16 inch; 20 for 1-1/8 inch; 33 for 1-3/16 inch; and 41 for 1-1/4 inch cotton. Since the discounts for Iow Middling cotton are so great, especially compared with Strict Low Midding and other highor grades, farmers will find it especially profitable this year to pick and hande their cotton mith sufficient care to prevent its deteriorating to solow a grake.

By exercising increased caze in picking and harding the 1945 crop, farmers not only will be providing themselves with a larger income, but they will also be producing those better qualities of cotton for which the demand is and will continue to be much greater thar for the Jorer grades. So great is the relative accumulation of the lover grades of cotton that it will be several years before the composition of the carry-over again assumes more normal relationships between the various qualities.

A comperison of the value at lemphis of various qualities of cotton on a recent date and a comparable perioc a year ago is shom in Tables 1 cnd 2. It is to be expected that the differences as show ir these tables do not necessarily prevail in the farmer's om local market. Nevertheless, the presence of the Governmert loan and purchase programs (both of which are based on grace and staple premiums and iiscounts prevailing in about the first hanf of last season) affords the firmer some assurances thet he, rill be able to sell his cotton on the basis of its grade anc stople lensth at differentials about in line with those at Memphis and other central markets.

Government Loan Rate of Midding
15/10 Inch Cotton at Average
Location 21.09 Cents Per Pound
The 1945 Government loan rate for Hiddling $15 / 15$ inch cotion at average location has been announced as 21.09 cents per pound. This loan rate is bised on a July parity price or 21.45 cents per pound. The 1945 Government
support level for cotton is 92.5 per œent of parity as of July 1. By general practice in recent years, the figure obtained by taking the percentage of the parity price specified by law as of the beginning of the marketing year has been used as the base loan rate for Midding $7 / 8$ inch cotton. The spread between Midding $7 / 8$ inch cotton and ind dling $15 / 16$ inch cotton under the loan program is then added to this basic loan rate for Middling $7 / 8$ inch cotton, to determine the base loan rate for Midding $15 / 16$ inch cotton at average location, which is an area in and around Memphis. 1/

Interestingly enough the loan rate this season is only $1 / 100$ of a cent higher than last season, despite the fact that each of the 3 values used in the equation have changed. Last season the support level was 95 percent of parity instead of 92.5 percent as in the case this year. The parity orice itself was 21.08 cents last year, or 37 points less than this year. The spread between widdling $7 / 8$ inch and widdling $15 / 16$ inch cotton has widened from 105 points under the 1944 program to 125 points this year.

For the first time in several years, the loans this scason are being made on a gross weight basis. In recent years loans have been made on the net weight of the cotton. Although there has been some change in the areas which comprise the various zones along the eastern part of the Belt, the system of Iocation differentials is substantially the same as in recent years, and most other details of the 1945 loan program are about unchanged from those of 1944 .

## Loan Rates Announced for 1945

Croo American-Esyptian Cotton
American-Egyotian cotton is a Steagall Proclamation commodity, thus necessitating support, prices at not less than 90 percent of parity for at least 2 full years after the end of the war. Thus it is necessary to support the price oi' the 1945 crop despite the fact this season's production is currently estimated at only 4,300 bales. The Commodity Credit Corporation on August 11 announced the loan rates which would be applicable for this cotton this season. The loan rate for the basic quality, No. 2 Grade $11 / 2$ inch, will be 42.65 cents per pound, net weight, in the Arizona-California area and 42.90 cents per pound, net weight, in the New Kexico-Nestern Texas area. These compare with 40.80 cents and 41.05 cents in 1944. Actual market differences during the first 11 months of last season were used in establishing loan differentials between the various qualities.

Instead of taking 90 percent of the 43.86 parity price as of August 1 as the basic loan rate for No. 2 Grade $11 / 2$ inch staple, as would be essentially comparable with the procedure used for upland cotton, the loan program for American- Bgyptian cotton endeavors to arrive, at a schedule of loan rates which, when weighted by oroduction of the various qualities, will average 90 percent of parity.

1/92.5 x $21.45=19.84$ cents, the basic loan rato for Mid ding $7 / 8$ inch cotton. 19.84 cents +1.25 (the spread between Midding $7 / 8$ inch and Midding $15 / 16$ inch cotton $)=21.09$ cents, the loan rate for Middins $15 / 16$ inch cotton at overage location.

The total carry-over of cotton in the United States on August 1, 1945, amounted to $11,160,000$ bales, according to a report released by the Bureau of the Census on August 18, 1945. This compares with 10,744,000 bales in 1944 and $10,657,000$ for 1943. The current year's carry-over has been exceeded in only a few seasons: these were in 1938, when the carry-over totaled 11,533,000 bales; 1939, when it was at the record level of $13,033,000$ bales; and 1941, when it was $12,166,000$ bales. Despite the smaller consumption this season, the carry-over of cotton in consuming establishments was $1,963,000$ bales, slightly more than fast season's total of $1,874,000$ bales. The carry-over in public storage showed a similar increase, from $8,285,0,0$ bales in 1944 to $8,373,000$ bales in 1945; other stocks (which inciude cotton for export on shipooard but not cleared; cotton coastwise; cotion in transit to corts, interior tows, and mills; cotton on farms, etc.) increased from an estimated 585,000 bales last year to $\delta 25,000$ bales this August 1. Most of this latter increase appears to have been accounted for by the sizable movemert of cotton to ports for export.

Inciuded in this year's carry-over vere 123, 64 bales of foreign cotton, of which 58, 937 bales were Egyptian ana 64, 707 bales were of other growths. Comparable data for the previous season vere a total foreign of 118, 109 bales, of which 61, 896 bales were Fgyptian and 56,213 bales were other foreign growths. The carry-over also included 31,602 baies of American-Egytian cotton, a much smaller quantity than the 65,511 bales carried over into the $1944-45$ season.

## 1245 Grop 17 Percent

## Smaller Than in 194

The 1945 crop of cotton was officially estimated on August 8 at $10,134,000$ balès, 500 pounàs gross weight. This is $2,096,000$ bales, or 17 percent less than 1944.

The average yield was estimated at 259.7 pounds per acre. This has been exceeded in only 3 years -- 1937, when the yield was 259.9 pounds; 1942, when it was 272.4 pounds; and 1944, when the average yield was at the record level of 23.5 pounds per acre. Yields are expected to be below those in 1944 in ali States except Fiorida, Ner Mexico, and California. Hovever, yielas exceeded the $1934-43$ average in all States except Missouri, Oklahoma, California, Kentucky, and Illinois.

## 1945 Domestic Supply of American Cotton Simalest Since $1936-37$

Fresent indications are that the donestic supply of American cotton this season - the beginning-of-season carry-over and the within season ginnings -- will be about 20.9 million running bales. This would be about 7 percont smaller than in 1944-45 and the smallest for any season since 1936-

## Total Registered Sales

Close to 600,000 Boles
Under the current export payment program, which bogan November 15 , 1944, registered sales through August 18 totaled about 592,000 bales. Of this quantity 10,000 bales wero registered during the 4 weers ended August 18.

June Exports Eighest
In Two Years
During June, exports of cotton from the United States totaled 295, 416 bales, the third highest since April 1940, having been expeeded orly in June 1943, when, as a result of a temporary easing in the oceanshipping situation, Lend-Lease cotton to the United Kingdom was able to move in large volume and exports for the month totaled 354,000 bales; and in August 1943 when exports totaled 310,000 bales. Also noteworthy concerning June exports is the fact that exports were divided among 12 different countries, 5 of which had received no cotton from the United States since the early war period. Greece had received none since 1940-41 and a longer time had elapsed since any had been reqeived by the other four-- Czechoslavakia, Netherlands, Norway, and Poland.

France accounted for the largest quantity of cotton of any country, taking about 215,000 bales. The United Kingdom followed with 46,000 , Spain with 30,000 , and Canada with 22,000 . Takings by other countries ranged from only 300 bales to Cuba to as high as 16,000 bales to Greece. In addition to Greecc, other wartorn countries to get cotton for the first time in June were Czechslovakia, Poland, Norway, and the Netherlands, Despite the liberatior of much of Italy quite some time ago, to date no American cotton has been exported to that country. Beîore the war, Italy was the fourth largest importer on the Continent, having taken as many as a million bales of cotton in some of the years during the decade preceding the war. In 1932, a record quantity of 850,000 bales of American cotton was exported to Italy.

Bxports to the various countries so far this season, that is, during the 11 months of 1944-45, are shown in mable.

Domestic Consumption
Declined Sharply in July
Domestic consumption declined sharply in July. Total cotton consumed in that month emounted to 673,000 bales. This was the smallest of any month since September 1940, at which time the defense program was just getting underway. Consumption in July also was 88,000 bales spraller than in any of the other 11 months of last season. It was 123,000 bales smaller than in June 1945, even though both months had the same number of working days. As a result of this shary decine, which is apparently attributable almost entirely to vacations of textile workers, the annual rate of consumption, based on the average daily rate in July, was only $8-1 / 4$ million bales a year, which also was the lowest since Septernber 1940. The actual consumption for all the $1944-45$ season totaled $9,576,000$ bales, 4 percent less than the preceding season's consumption of $9,943,000$ bales. Al though $1944-45$ consumption was lower than in any of the years 1940 through 1943, it was, nevertheless, materially higher than in any year prior to 1940 .

Included in the $9,576,000$ balc consumption this season were 119, 036 bales of foreign cotton. Of this quantity 55,676 bales were Egyptian (this compares witu 60,736 bales in 1944) and 53,360 beles were of other foreign growths (which compares with 47,139 bales last' season). Also included in the total consumption this season were 43,433 bales of American-Egyptian cotton, slightiy less than the 43,784 bales consumed in 19.43-44.

## Spot Market Prices

SlightIy Weaker
During the month ended August 18 " the average price of Nidaling 15/16 inch cotton in the 10 spot markets was 22.50 cents per pound, compared with 22.62 one mointh earlier and 22.72 two months eerlier. Most of the decline during the past month occurred in the first two weeks of August. Several factors contibuted to this weakness in cotton prices. Anorig these was the official crop estimate, which was larger than had been expected by the cotton trade. Then, too, the entry of Russia into the Japanese war and the use of the atomic bomb, and, finally, the Japanese surrender announcement, all tended to foreshadow the return to peace and ultimately to a lower level of doaestic cotton consumption. In part offsetting these depressing factors are the prospective high level of domestic consumption, prospects for increased exports in the coming months and, the domestic price support program, which assures farmers of near-parity rate for the 1945 crop.

Farm Price of Cotton Belaw
Parity in 11 of Past 12
Months and 25 of Past 26 Months
Except for October 1944, the farm price of cotton has been below parity since June 1943. In 7 months the farm price has been unaer perity by more than a cent, and in 1 of these months the difierence was $214^{\circ}$ points. The average amount by which parity hos exceeded the farm price, botn during the past year and during the past 26 months, has been about $3 / 4$ cent a pound. In July 1945 the farm price of cotton was 21.25 cents pound. This was 20 points or 1 percent below the parity price of 21.45 cents.

## Parity Equivalent Higher

In early September I944, the U. S. Department of Agriculture issued parity equivalents for Middling $15 / 16$ inch cotton for all cotton-producing counties. Since such parity equivalents were based on the then current Government toan Program, they were all necessarily subject to revision with the announcement of the 1945 support program for cotton on August l. The comparable procedure for, 1945 to that used last season pould be to add 125 points (the announced spread under the existing loan progrem between Midding $7 / 8$ inch and Middling $15 / 16$ inch cotton) to the parity price of cotton as published by the Bureau of Agricultural Ficonomics. On August 1 this parity price was 21.45 cents per pound. The resulting 22.70 cents is ther the parity equivalent of Midaling $15 / 16$ inch cotton at average location, which is an area in and aroud Memphis. For other locations, the parity. equivalent of Midaling $15 / 16$ inch cotton is 22.70 cents plus or minus the spread. in the location differential under the 1945 Government loan program between Memphis and the point at which it is desired to obtain the parity equivalent.

Parity, as computed and published by the Bureau of. Agricultural Economics, is comparable with midmonth price received by farmers in that it is an overall figure applicable to the commodity as a whole. It is an average price in farmers' markets of all varieties, grades, staples, and all locations. The Cotton toan Legislation authorizes parity for cotton, as regularly computed by the Bureau of Agricultural Economics, to be applied to $7 / 8$ inch Midaling catton at the, axerage location for the purpose of fixing the base loan rate for cotton. More recent legislation provides that this method now be used for all the purposes of the Stabilization Act of 1942 as amendea.

Table l.- Cotton, White and Ixtra White: Price per 500-pound bale of Strict Middling, Middling, Strict Low Middling, Low Middling, and Strict Good Ordinary, and changes by staple lengths, liomphis, Aug. 14, 1944 and Aug. 14, 1945.


Table 2.- Cotton, White and Extra White: Premiun for 500-pound bale of Strict Middling over Middling, and Middling over Strict Low Middling, Low liiddling, and Strict Good Ordinary; and changes; by staple lengths, Memphis; Aug. 14, 1944 and Aưg. 14, 1945


| Item | Unit or tase period period |  | $1943$ | $: \frac{19}{\text { Actual }}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| - |  |  |  |  |  |
| Middling 15/16-inch, $10{ }^{\circ}$ narkets: | Cent | $: 13.71$ | 20.65 | 21.86 | 106 |
| Farm, United States ...........: | Cent | : . 12.73 | 19.88 | 2/21.00 | 06 |
| Parity | Cent | : 16.77 | 20.77 | 2/21.30 | 103 |
| Farm, percentage of parity | Percent |  | 96 | 101 | 105 |
| SxP, New England mill points 3/: | Cent | : 4/39.78 | 49.76 | 51.68 . | 104 |
| Cloth, 17 constructions | Cent | : 29.88 | 40.62 | 42.41 | 104 |
| Mill margin ( 17 constructions): | Cent | : 16.13 | 20.14 | 20.82 | 103 |
| Cottonseed, farm price ........: | Dollar | : 5/31.59 | 5/52.10 | 5/2/52.64 |  |
| Cottonseed, parity ............: | Dollar | : $5 / 30.37$ | 5/37.66 | $5 / 38.67$ | 103 |
| Cottouseed, farm, pet. of parity: | Percent | : 104 | 138 | 136 | 99 |
| Gonsumption: : |  |  |  |  |  |
| All kirds .....................: | 1,000 bales | 9,327 | 9,943 | 9,576 | 96 |
| American- 刃yptian cotton .....: | Bale | $: 32,719$ | 43,784 | 43.433 | 99 |
| Roreign cotton | Bale | : 152,743 | 113,875 | 119,036 | 105 |
| Spindle activity: |  |  |  |  |  |
| Spindies in place | Thousand | : 24,605 | 23.331 | 23.145 | 99 |
| Active spindies ...............: | Thousand | : 22,668 | 22,485 | 22,207. | 99 |
| Percentage active .............: | Percent | : 92.2 | 96.4 | 96.0 | 100 |
| Hours operated, total .........: | Million | 9,289 | 9,857 | 9,325 | 95 |
| Hours per spindle in operation: | Hour | 409 | 438 | 418 | 95 |
| Stocks, end of month: : : : |  |  |  |  |  |
| Consuming establishments .....: | 1,000 bales | 1,616 | 1,874 | 1,963 | 105 |
| Public storage and compresses.: | 1,0n0 bales | 9,154 | 8,285 | 8,373 | 101 |
| Total 6/ | 1,000, bal es | 10,770 | 10,159 | 10,336 | 102 |
| Egyptian cotton, total 5/....: | Bale | : 37,221 | 61,896 | 58,937 | 95 |
|  | . Bale | $\stackrel{\text { : }}{:} 20,236$ | 65,511 | 31,602 | 48 |
| Index numbers: |  |  |  |  |  |
| Cot ton consumption | $1935-39=100$ |  |  | 144 |  |
| Spindle activity I/ | Percent | : 110.4 | 122.4 | 117.6 |  |
| Prices paid, interest, anid texes : | $1910-14=100$ | $0: 2 / 135$ | 2/168 | 2/172 | 102 |
| 1/ Preliminary. <br> 2) Average of monthly data. |  |  |  |  |  |
|  |  |  |  |  |  |
| $3 / \mathrm{SXP}$, INo. 2, $11 / 2$ inch staple. |  |  |  |  |  |
| 4) Average of 1940-42. |  |  |  |  |  |
| 5. Year beginning July 1 . |  |  |  |  |  |
| 6 Includes only stocks in mills and public storage and at comoresses. |  |  |  |  |  |
| 1) Based on 5-day, 80-hour week | operation. |  |  |  |  |
| Compiled from official sources. |  |  |  |  |  |


| Item | $\begin{aligned} & : \text { or base } \\ & : \quad \text { period } \\ & \hline \end{aligned}$ | July | May | June | Juีy | $\begin{aligned} & \text { year } \\ & \text { gol } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| iddling 15/16-inch, | Cent | : , 27.64 | 22.58 | 22.69 | 2.59 | 704 |
| Farm, United Sta | Cen | 20.32 |  | 20.90 |  |  |
| Parity | Cent | : 21.08 | 21.45 |  |  | 02 |
| Farm, percentage of parity | Percent | : 96 | 96 | 97 | 99 | 103 |
| Fremium of 1-1/8-inch over |  |  |  |  |  |  |
| basis 2/: |  |  |  |  |  |  |
| Memphis | Point | : 450 | 430 | 405 | 400 | 89 |
| Carolina "B" mill | Point | : 625 | 581 | 573 | 565 | 90 |
| SxP, New England mill points | Cent | :51.50 | 51.88 | 51.25 | 51.25 | 100 |
| Cloth, 17 construct | Cent | :40.62 | 42.32 | 42.32 | 42.32 | $10^{\frac{1}{4}}$ |
| Mill margin, 17 constructi | Cent | :19.15 | 20.02 | 19.92 | 20.04 | 05 |
| Cottonseed, farm price | Dollar | :53.00 | 52.10 | 52.50 | 55.00 | 104 |
| Cottonseed, parity | Dollar | : 38.30 | 39.00 | 39.00 | 39.00 | 102 |
| Cottonseed, farm pct, of parity | Percent | : 138 | 134 | 135 | 141 | 102 |
| Consumption: |  |  |  |  |  |  |
| All kinds during month, total | 1,000 bales | :723.4 | 830.6 | 786.1 | 673.1 |  |
| All kinds cumulative, total | 1,000 bales | : 9,943 | 8,117 | 8,90 | 9,576 | 96 |
| All kinds per day, total | Bale | : 36,170 | 36,914 | 37,432 | 32,052 | 89 |
| All kinds, annual rate | Million bal | 9.3 | 9.5 | 9.6 | 8.2 | 88 |
| American-Egyptian cotton, total | Bale | : 2,942 | 4,310 | 3,859 | 3024 | 103 |
| American-Egyptian, cumulative | Bale | $: 43,784$ | 36,550 | 40,409 | 43,433 |  |
| Foreign cotton, total | Bale | : 8,219 | 11, 873 | 11, | 10,210 | 124 |
| Foreign cotton, cumulative | Bale | :113,875 | 97,433 | 108,826 | 119,036 | 105 |
| Stocks, end of month: |  |  |  |  |  |  |
| Consuming establishments | 1,000 bales | 1,874 | 2,141 | 2,046 | 1,963 | 105 |
| Public storage and compress | 1,000 bales | : 8,235 | 10,133 | 9,19 | 8.373 | 3101 |
| Total 4/ ......... | 1,000 bales | : 10,159 | 12,274 | 11, 241 | 10,335 | 102 |
| Bgyptian cotton, total 4 | Bale | : 61,896 | 51,485 | 56,101 | 5893 |  |
| American-Egyptian cotton, total | Bale | : 65,511 | 37,671 | 34,805 | 31,602 |  |
| Index numbers: |  |  |  |  |  |  |
| Cotton consumption | 1935-39 = 100 | : 139 | 142 | 144 | 123 | 88 |
| Prices paid, interest, and taxes | 1910-14 $=100$ | : 170 | 173 | 173 | 173 | 102 |
| $1 /$ Applies to last month for which data are available. <br> $2 /$ Premiums for Mjddling 1-1/8-inch, based on near active month futures at New York. <br> $3 / 5 x P$, No. 2 1-1/2-inch, New Ingland mill points. <br> 4f Includes only stocks in mills and public storage and at compresses. <br> Compiled from official sources. |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

