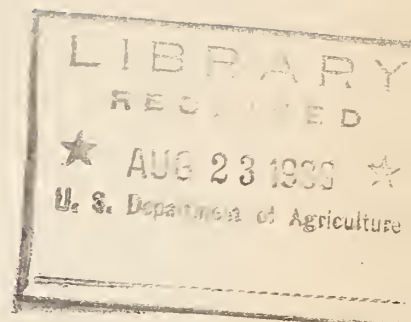


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UNITED STATES DEPARTMENT OF AGRICULTURE
Agricultural Marketing Service



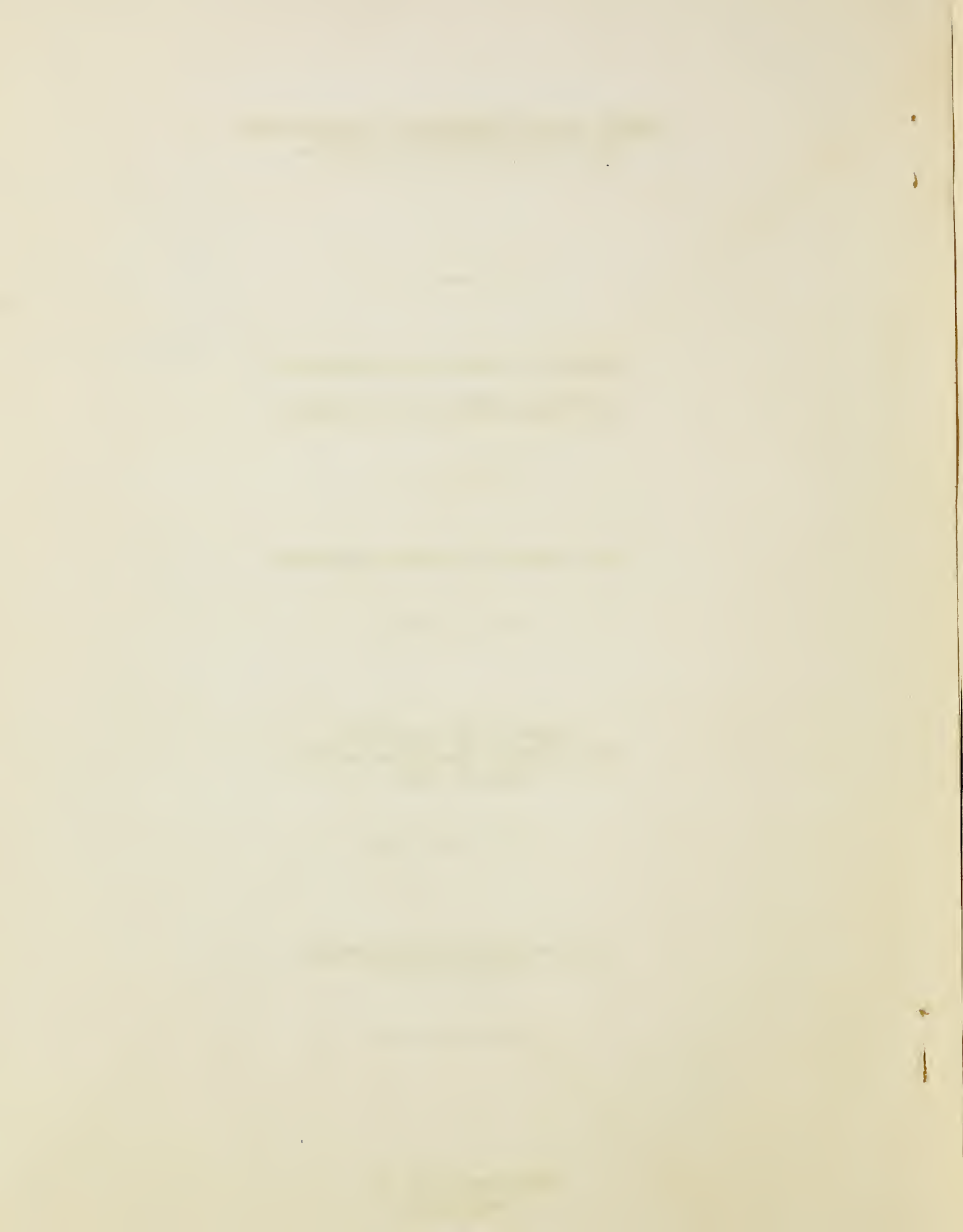
METHODS OF DRAWING AND PREPARING
OFFICIAL SAMPLES OF COTTONSEED

FOR LICENSED COTTONSEED SAMPLERS

Approved by the Chief,
Agricultural Marketing Service
July 5, 1939

Superseding Methods Approved
June 7, 1938

Washington, D. C.
July 1939



Revised Methods of Drawing, Cleaning, Preparing,
Sealing, and Certificating Samples of Cotton-
seed for Use by Samplers of Cottonseed
Licensed by the United States Department of
Agriculture.

Approved July 5, 1939

SECTION 1. Each licensed cottonseed sampler shall have available (a) suitable sampling tools or triers; (b) sufficient metal containers, with close-fitting covers of $2\frac{1}{2}$ bu. capacity, to meet the needs of individual shippers; (c) sufficient friction-top cans, of 155 cubic inches capacity, for the prompt dispatch of official samples; (d) scales graduated in ounces or $\frac{1}{2}$ ounces; (e) a shaker cleaner and approved mechanical mixer, or a shaker cleaner provided with a by-pass sample reducing device; and (f) a thermometer suitable for determining the temperature of cottonseed.

SEC. 2. (a) Triers of the cork screw type made of $\frac{3}{8}$ inch steel, bent to form an open cylinder about 4 inches in diameter, the pitch of the twist being approximately 2 inches and the screw portion being approximately 34 inches long, are approved. Such a cottonseed trier will take approximately 5 pounds of seed at each probe. It should not be turned after the point reaches the floor of the car or truck, but withdrawn immediately.

(b) Receptacles for taking samples of cottonseed during unloading, made by attaching an 8 x 5 x $5\frac{1}{2}$ elevator bucket to a pole long enough to enable the sampler to place the bucket in a level position near the top of the seed chute while standing outside of the car and immediately in front thereof, are approved.

(c) Shaker cleaners with screens 3 x 7 feet and provided with adjustable by-passes for securing a cross section official sample such as is shown on the accompanying drawing, are approved for use.

SEC. 3. In sampling cottonseed each Licensed Cottonseed Sampler shall observe the following methods:

(a) Sampling carlots before unloading.--Each licensed sampler shall be provided with an approved cottonseed trier or sampling device with which he shall draw portions at different points in each end and in the middle of the car; it is recommended that not less than 10 portions be drawn. When a car is so filled that the approved trier cannot be used, the sampler shall divide the car into 4 quarters or sections. In the center of each section a hole shall be dug at least 30 inches deep, with a short handle 5-tine fork. From the bottom and sides of each hole a portion of approximately 15 pounds of seed shall be taken with the fork. The portions drawn at each hole shall be placed in a strong, moisture-proof bag. The several bags shall be promptly assembled and emptied or placed in one of the metal containers specified in Section 1-b.

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(b) In sampling carlots during unloading.--For this purpose the sampler shall use the receptacle specified in Section 2-b which he shall place in the center of the unloading chute at regular intervals depending upon the rate of unloading so that he may draw approximately 2-pound portions per ton of seed from the stream of seed being ejected from the car.

When drawn before or during unloading the several portions drawn from carlots shall total not less than 50 pounds in weight.

(c) In drawing samples of truck or wagon loads of cottonseed, the same methods shall be used as in sampling carlots. When sampling truck or wagon seed before unloading the trier shall be inserted at not less than 5 points in the load. When the load is so deep that the trier does not reach the bottom, the seed shall be forked away from three points and additional portions shall be drawn from the bottom of the truck or wagon, a total of 8 probes. The total weight of the sample shall be not less than 2 pounds for each ton of seed in the load.

(d) The portions drawn from trucks, wagons, railroad cars, or other conveyances shall be known as the original sample. The portion prepared for forwarding to licensed cottonseed chemists shall be known as the Official Sample.

(e) When a sampler believes a shipment of cottonseed to be hot at the time of sampling, he shall determine the actual temperature with a thermometer placed for not less than 5 minutes at points as near the center of each end of the car as possible, or near the center of a truck. The temperature found shall be recorded on the certificate.

SEC. 4. Handling Samples. Each portion of the original sample as drawn shall be placed immediately in a properly identified metal container (specified in Section 1-b) and the cover promptly replaced. As soon as the full original sample shall have been drawn it shall be carefully weighed. In no case shall an original sample be struck off or reduced in size but the entire sample as drawn shall be weighed. After being weighed the original sample shall be passed over a shaker cleaner and either the cleaned seed weighed or the foreign matter shall be carefully gathered and weighed.

When the shaker cleaner is not equipped with a sample reducing device, the entire cleaned sample shall be mixed by means of a suitable mechanical mixer; MacLellan Mixer Model O C S, Serial 806 is recommended. The official sample shall be taken from the pile without further mixing. When a shaker cleaner with automatic sampling device is used the weight of the original sample and of the foreign matter that is removed shall be recorded. All cleaning, mixing, and handling of samples shall be done expeditiously and without undue exposure.

SEC. 5. (a) The official sample shall consist of not less than 2 pounds which shall be packed in an air-tight container specified in Section 1-c and, together with the licensed sampler's certificate, shall be immediately forwarded for analysis and grading.

(b) One official sample representing each lot of cottonseed (and duplicate in accordance with Sec. 10, Reg. 4) shall be prepared and certificated as follows: (a) for each carlot of cottonseed; (b) for each delivery by truck or wagon of 25 tons, if delivered within three consecutive days; or (c) for a lot of less than 25 tons but not less than 10 tons when delivered within three consecutive days: Provided, That in the States of Virginia, North Carolina, South Carolina, Georgia, Alabama, and Florida such lots of less than 25 tons but not less than 10 tons may be delivered within six consecutive days: Provided further, That upon notice from a field inspector of licensed cottonseed samplers that in his opinion seasonal conditions may cause deterioration of portions of samples held for a period of six days, said three-day limit shall apply until such time as the field inspector shall give notice that the danger of deterioration no longer exists: Provided further, That whenever 10 tons of cottonseed shall have been delivered within any three-day period an official sample shall be prepared representing such seed. Notice under this paragraph shall be by letter addressed by the field inspector to the licensed cottonseed samplers involved.

(c) Near the end of each season, the date to be specified for each State or section thereof, by the Chief, Agricultural Marketing Service, or his agent, official samples may be prepared from deliveries of remnants of cottonseed delivered during a period of not to exceed 7 days, provided the several portions as drawn are retained in a covered metal container and the container not subjected to unusual heat or cold and also that the shipper shall be advised of the possibility of lowering of grade through deterioration during the extended holding period, and provided further that on receipt of a total of 10 tons in less than 7 days an official sample shall be prepared representing such seed.

SEC. 6. Before sealing an official sample in the friction-top can specified in Section 1-c each licensed cottonseed sampler shall enclose therewith a certificate in the following form, which shall be executed and signed by him.

UNITED STATES DEPARTMENT OF AGRICULTURE
Agricultural Marketing Service

U. S.
(SEAL)
D. A.

A B C Oil Mill Cooperating
Jonesville, Miss.

LICENSED COTTONSEED SAMPLER'S CERTIFICATE

Date sample was drawn* _____ To _____

Identification of shipment _____

Point of origin _____ County _____ State _____

Weight of original sample _____ lbs. _____ ounces

Net weight of cleaned seed _____ lbs. _____ ounces

or

Weight of foreign matter _____ lbs. _____ ounces

REMARKS:

(If seed are hot give temperature)

I hereby certify that the accompanying sample of cottonseed is the OFFICIAL SAMPLE representing the lot of cottonseed marked or identified as above and that the drawing and preparation was done in accordance with the methods prescribed by the Chief of the Agricultural Marketing Service of the United States Department of Agriculture.

Signature _____

Licensed Cottonseed Sampler No. _____

*If the official sample represents wagon or truck deliveries covering more than one day give the inclusive dates.

UNITED STATES DEPARTMENT OF AGRICULTURE
Agricultural Marketing Administration

U.S. Agricultural marketing service.

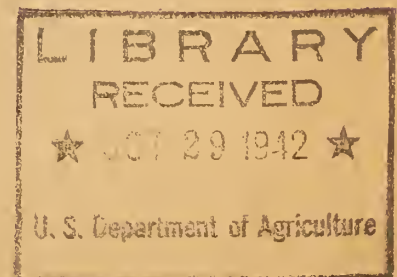
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Washington, D. C.
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(b) Receptacles for taking samples of cottonseed during unloading, made by attaching an 8 x 5 x 5 1/2 elevator bucket to a pole long enough to enable the sampler to place the bucket in a level position near the top of the seed chute while standing outside of the car and immediately in front thereof, are approved.

(c) Shaker cleaners with screens 3 x 7 feet and provided with adjustable by-passes for securing a cross section official sample such as is shown on the accompanying drawing, are approved for use.

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(b) One official sample representing each lot of cottonseed (and duplicate in accordance with Sec. 10, Reg. 4) shall be prepared and certified as follows: (a) for each carlot of cottonseed; (b) for each delivery by truck or wagon of 25 tons, if delivered within three consecutive days; or (c) for a lot of less than 25 tons but not less than 10 tons when delivered within three consecutive days: Provided, That in the States of Virginia, North Carolina, South Carolina, Georgia, Alabama, and Florida such lots of less than 25 tons but not less than 10 tons may be delivered within six consecutive days: Provided further, That upon notice from a field inspector of licensed cottonseed samplers that in his opinion seasonal conditions may cause deterioration of portions of samples held for a period of six days, said three-day limit shall apply until such time as the field inspector shall give notice that the danger of deterioration no longer exists: Provided further, That whenever 10 tons of cottonseed shall have been delivered within any three-day period an official sample shall be prepared representing such seed. Notice under this paragraph shall be by letter addressed by the field inspector to the licensed cottonseed samplers involved.

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Agricultural Marketing Administration
A B C Oil Mill Cooperating
Jonesville, Miss.

U.S.
(SEAL)
D.A.

LICENSED COTTONSEED SAMPLER'S CERTIFICATE

Date sample was drawn* _____ To _____

Identification of shipment _____

Point of origin _____ County _____ State _____

Weight of original sample _____ lbs. _____ ounces

Net weight of cleaned seed _____ lbs. _____ ounces

or

Weight of foreign matter _____ lbs. _____ ounces

REMARKS:

(If seed are hot give temperature)

I hereby certify that the accompanying sample of cottonseed is the OFFICIAL SAMPLE representing the lot of cottonseed marked or identified as above and that the drawing and preparation was done in accordance with the methods prescribed by the Chief of the Agricultural Marketing Administration of the United States Department of Agriculture.

Signature _____

Licensed Cottonseed Sampler No. _____

*If the official sample represents wagon or truck deliveries covering more than one day give the inclusive dates.