

## COMMITTEE ACTIVITIES OR REPORTS

## PUBLIC SERVICE COMMITTEE

R. H. Hofmann

While it may seem rather late for a note of thanks and recognition to all those who contributed slides to the Public Information Kit, as retiring chairman of the Public Service Committee, I would like to take this opportunity to do so. Without their assistance and fine cooperation our slide series on Seed Testing would not have been possible. My deep appreciation and thanks are extended to the following:

Frieda Wertman  
 Vaughans Seed Company  
 O. M. Scott & Sons  
 Claude Heit  
 George Spain  
 Jennie Bloodgood  
 Margaret Brightbill  
 Roger Danielson  
 R. P. Moore  
 Bernard Leese  
 Russell Rudd

Allan Houser  
 Paul Lloyd  
 Dennis Brown  
 Wayne Still  
 Connie Ogburn  
 James McNamara  
 Martin Kulik  
 L. C. Shenberger  
 W. Atlee Burpee Company  
 E. L. Everson  
 Earl Belcher - acknowledge later

If I have overlooked anyone it was not done intentionally.

Your excellent cooperation has made the job much easier and I am hopeful that you and all other members in the field of seed technology will continue to cooperate with our new chairman, Wayne Still, Agricultural Experiment Station, University of Kentucky, Lexington, Kentucky 40506. Any future request for the slide series should be directed to him.

## RULES COMMITTEE

A. L. Larson, Chairman

At the 63rd annual meeting of the Association of Official Seed Analysts held at Ottawa, Ontario on June 14, 1973, certain changes to the AOSA Rules for Testing Seeds were adopted. These changes will become effective on October 1, 1973. They are as follows:

1. Section 2.12 Special purity procedures.

The first sentence is reworded to eliminate option between "factor" and "hand" method.

## Old wording:

Multiple units - The following alternate methods may be used for the kinds indicated when multiple units in a sample are present to the extent of 5 percent or more and are not separated.

## New wording:

Multiple units - The following procedure shall be used for the kinds indicated when multiple units in a sample are present to the extent of 5 percent or more. The parts of the multiple units shall not be separated.

2. Section 2.12 Special purity procedures.

Addition: Factors to apply to multiple units of smooth brome grass.

<u>Single florets in sample</u>	<u>Smooth brome grass</u>
<u>Percent</u>	<u>Percent</u>
50 or below	72
50.01 - 55.00	74
55.01 - 60.00	75
60.01 - 65.00	76
65.01 - 70.00	78
70.01 - 75.00	79
75.01 - 80.00	81
80.01 - 85.00	82
85.01 - 90.00	83
90.01 - 95.00	85

## 3. Changes in garden bean germination.

A. Section 4.8 Special procedures and alternate methods for germination. The following subsection (j) shall be added on page 31.

j. Garden beans (Phaseolus vulgaris) - Use of calcium nitrate: If hypocotyl collar rot is observed on seedlings, the sample involved may be retested using a 0.3 to 0.6 percent calcium nitrate solution to presoak the medium.

B. For Phaseolus vulgaris, garden bean, in Table 3 on Page 52, make the following changes:

Under first count days, change from "5" to "none"

Under specific requirements, add "See section 4.8-j."

4. Section 5.2-3 Special tolerances

Adjustment of example:

In the 1970 issue of the AOSA Rules the example under special tolerances was not adjusted to reflect the most recent computation of seeds per gram for the species used. Appropriate editorial changes will be made throughout Table 7 and text in Pages 79 and 80. These are as follows:

Page 79, table 7, replace old (left) with the new (right):

<u>Column G</u>		<u>Column H</u>		<u>Column J</u>	
<u>Old</u>	<u>New</u>	<u>Old</u>	<u>New</u>	<u>Old</u>	<u>New</u>
4,800	3,065	221,760	141,603		
500	530	13,700	14,522		
1,200	900	11,280	8,460		
11,000	10,695	<u>68,200</u>	<u>66,309</u>		
		314,940	230,894		
H/F	H/F				
4,800	3,065	221,760	141,603	2.2	1.5
2,167	2,077	93,180	89,291	3.83	3.60
1,200	900	11,280	8,460	3.2	3.1
3,805	2,787	303,660	222,434	3.65	3.65

Page 80 (Text) replace old figure with the new, listed directly underneath.

Paragraph 3, line 10:

Old:  $(314,940 - 221,760 = 93,180)$ ;  $(93,180/43.0 = 2,167)$

New:  $(230,894 - 141,603 = 89,291)$ ;  $(89,291/43.0 = 2,077)$

Paragraph 3, line 15:

Old:  $(4,800/2,167 = 2.2)$

New:  $(3,065/2,077 = 1.5)$

Paragraph 3, line 18:

Old: 2.2; 2.0 - 2.9; and 3.83

New: 1.5; 1.5 - 1.9; and 3.60

Paragraph 3, line 19:

Old: 3.83

New: 3.60

Paragraph 4, line 3:

Old: 3.2

New: 3.1

5. Table 3 (Vegetable and Herb Seeds) Page 49.

Correct printing error in the additional directions for fresh and dormant seed of Brassica juncea, India mustard:

Old: Prechill at 5° or 10°C for 3 days; KNO<sub>3</sub> and light. KNO<sub>3</sub>.

New: Prechill at 10°C for 7 days and test for 5 additional days; KNO<sub>3</sub>.

#### REFEREE COMMITTEE

C. C. Abbott, Chairman

The Referee Committee for the 1972-73 year was made up of the following persons:

Region I - K. Martin Steen  
 Region II - Walter F. Westrin  
 Region III - Jennie A. Bloodgood  
 Region IV - Terry L. Turner  
 Region V - Betty Burwell

This year we worked with the SCST Research Committee, openly recognizing the affinity of our two committees and their common interests. In this regard, I want to express my appreciation to Miss Betty Butler and her SCST Committee for their excellent cooperation and to Southern States Cooperative, Betty's employer, for permitting her to use their facilities to prepare the brochures for all of us containing the reports of individual regional projects.

AOSA Region I sponsored a project comparing the "hand" and "factor" methods for determining pure seed percentages in three species of chaffy grasses and to demonstrate the superiority of the factor method.

The Region II project dealt with germination of problem lots of Soybeans and Wheat which have plagued Mid-West producers this year.

The Chairman of Region III initiated a flower seed project that had the added benefit of a second chance. This enabled the participants to compare their first results with those of other laboratories and then have a second try to see if they could maintain their results, if good, or improve, if need be.

Laboratories in Region IV have problems with the germination of Indian Ricegrass. The variation in results seem to warrant additional study of test methods for this plant.

Region V continued the study of Kentucky Bluegrass samples begun two years ago. There still is a wide variation in test results of this relatively common grass both in purity and germination and laboratories which are out of tolerance with the average figures should endeavor to locate their difficulties.