April 3, 2003

Steve O’Brien
National Peanut Board
900 Circle Pkwy Suite 1220
Atlanta, GA 30339

Dear Steve:

You will find enclosed the final report on the Reimbursable Cooperative Agreement/#58-6604-201. This agreement with ARS-USDFA expired 2/28/2003. All administrative actions have been fully and satisfactorily accomplished.

This project was titled “Assessment of Water Use in Current Peanut Cultivars; Implications for Irrigations Scheduling, Drought Response, and Aflatoxin Contamination”. The project’s PI was Dr. Diane Rowland located at the National Peanut Research Laboratory in Dawson, Georgia.

This statement confirms the project’s completions and closes out the agreement. The total amount of project funding awarded was $15,000 and the total amount spent was $15,000. To the PI’s knowledge there was no invention, improvement, or discovery made or conceived that would be applicable to a Patent Report in the course of work under this agreement. A final progress report is attached fulfilling all contractual obligations.

Sincerely,

Emory Murphy
Secretary for the Southern Peanut Research Initiative (SPRI)
Assistant Executive Director, Georgia Peanut Commission

Enclosure

Cc  SPRI Committee
    Joe Boddiford, GPC Research Committee Chairman
    Murray Campbell, NPB Research Committee Chairman
    Ron Henning, NPB Research Consultant
    [Raffaela Marie Penn], NPB Executive Director
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Cc: SPRI Committee
    Joe Boddiford, GPC Research Committee Chairman
    Murray Campbell, NPB Research Committee Chairman
    Ron Henning, NPB Research Consultant
    Raffaela Marie Fenn, NPB Executive Director
March 24, 2003

IN REPLY
REFER TO: Reimbursable Cooperative Agreement
Number 58-6604-2-201

Emory Murphy
Georgia Peanut Commission
110 East Fourth Street
Tifton, Georgia 31793

Dear Mr. Murphy:

According to USDA records, agreement number 58-6604-2-201 expired February 28, 2003. As all administrative actions have been fully and satisfactorily accomplished, this agreement is now officially closed. Enclosed are the documents for your records. Thank you for your support of USDA research.

If you have any questions concerning the enclosure, please do not hesitate to call me.

Sincerely,

Debora Campbell
Authorized Departmental Officer

Enclosure

cc: w/ enclosure
Diane Rowland/ADODR
Debbie Padgett/ LAO
Dorothy Buckman/ BFO
**U.S. Department of Agriculture**
**Agricultural Research Service**

**Completion Statement to Closeout Agreement**

<table>
<thead>
<tr>
<th>1. Agreement No.</th>
<th>2. Last Amendment</th>
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9. All administrative actions required have been fully and satisfactorily accomplished therefore this agreement is officially closed. The Cooperator must maintain all records pertaining to this agreement a minimum of three years from the date of this notice.

- **Financial Statement.**
  The Final Status of Funds Reports from LOTS showing all expenditures and funds received has been submitted to the sponsoring organization, as required.

- **Final Technical Report.**
  The Final Technical / Progress Report has been sent from ARS to the sponsoring organization and copies have been distributed, as required.

- **Patent Report.**
  To my knowledge, no invention, improvement, or discovery was made or conceived or for the first time actually or constructively reduced to practice by the cooperators or its employees, in the course of work under this agreement.

- **Publications.**
  Publications have been submitted to the National Agricultural Library (NAL). If not, please submit a copy of the transmission memo with this form. If there were no publications pursuant to this agreement, mark N/A.

10. **ADO Name**
    Diane Rowland

11. **Remarks**

12. **ADO Name**
    Debora Campbell

**Distribution**
- Original to ADO for Official Agreement File
- ADO
- LAO
- ABFO - Phyllis Boyd-Johnson

Unnumbered Form (1/84)
March 24, 2003

This is a final status report for NPB funded project: “Assessment of water use in current peanut cultivars: implications for irrigation scheduling, drought response, and aflatoxin contamination” investigated by D.L. Rowland, K. Balkcom, J. Beasley, J. Dorner, and R. Sorensen. The specific objectives for this research were: 1) to determine water use curves for three peanut cultivars under two different irrigation regimes, 2) to determine the relationship between aflatoxin contamination and water use in these peanut cultivars, and 3) based on differences in the water use curves between irrigation treatments, provide recommendations for optimal growing conditions (dryland vs. irrigated land) among the three cultivars. During the growing season of 2002, plots were established under rainout shelters located at the National Peanut Research Laboratory in Dawson, GA. We completed collection of data that quantified water use for three different peanut cultivars, Georgia Green, NCV-11, and Andru II during the growing season under both overhead and subsurface drip irrigation. In addition, we analyzed the relationship between water use during imposed drought, TSWV infection progress, and final aflatoxin production at five different harvest dates. We are currently analyzing the data from 2002 in detail and have found variation in cultivar drought response and TSWV progression. We will continue these experiments during the 2003 growing season to validate these first year responses. At the end of this time, we expect to publish data from the two growing seasons combined (2002 and 2003) and provide recommendations to growers on water use requirements and drought tolerance/aflatoxin risk for these commonly grown peanut varieties. Funding was for a single year running January 2002 through December 2002.
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10. ADODR Name: Diane Rowland, Signature: Diane Rowland, Date: 3-24-03

11. Remarks

12. ADO Name: Debora Campbell, Signature: [Signature], Date: 3-24-03

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