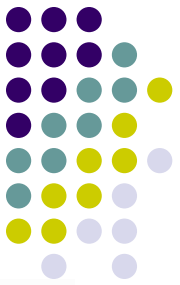


1976 RCAS Presentation



Southern Association of Agricultural Scientists
Mobile, AL

February 2, 1976
Malga Inn - Fiesta Room

Dr. T. E. Corley, Chairman

8:00 AM REGISTRATION

CHAIRMAN - Dr. T. E. Corley, Assistant Director Alabama Agricultural Experiment Station, Auburn University, Auburn, AL.

9:00 AM THE ROLE OF THE SUPERINTENDENTS IN THE AGRICULTURAL EXPERIMENT STATION SYSTEM - Dr. R. Dennis Rouse, Dean and Director, Alabama Agricultural Experiment Station, Auburn University, Auburn, AL.

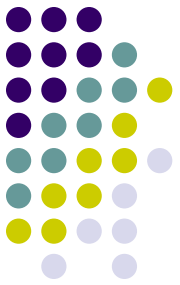
9:30 AM PUBLIC RELATIONS PANEL

Dr. Jere McBride (LA)	9:30 - 9:45
Dr. J. A. Morris (MS)	9:45 - 10:00
Dr. R. D. Freeland (TN)	10:00 - 10:15

10:15 AM COFFEE BREAK

10:45 AM RESEARCH PROGRAM DEVELOPMENT AND RELATIONSHIP WITH PROJECT LEADERS

Dr. W. E. Waters (FL)	10:45 - 11:05
Dr. M. D. Faulkner (LA)	11:05 - 11:25
Dr. H. V. Marshall (NC)	11:25 - 11:45

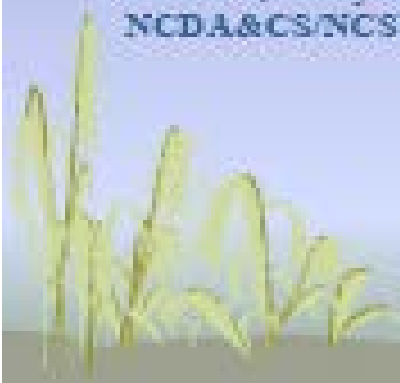


2005 RCAS Proceedings

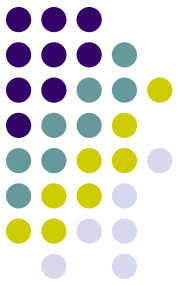
THE ROLE OF SUPERINTENDENTS IN NC PAST, PRESENT AND FUTURE

Dr. Sandra J. Maddox
Director, Outlying Research Stations
NCDA&CS/NCSU

Mac McNeill
Director, University Field Laboratories
NCSU- College of Ag. & Life Sciences



From Dictator to Accommodator, Orchestrator & Educator

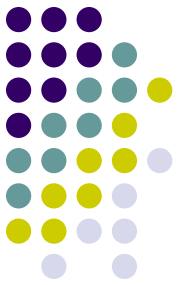


CONCLUSION

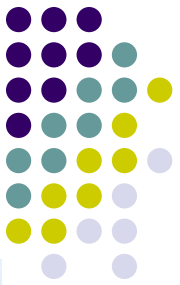
- ⇒ Dictatorial Leadership role of past superintendents has transitioned to a role of Accommodation at present.
- ⇒ To sustain and evolve in the future Accommodation must transition to Orchestration and Education



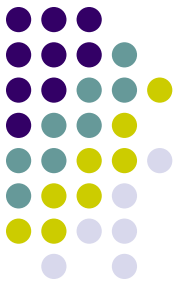
MHCRS circa 1949



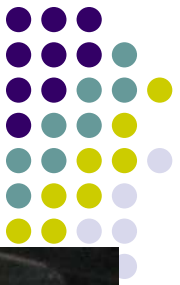
MHCREC circa 1987



Station Employees & Staked Tomatoes



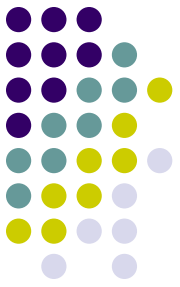
Research Diversity



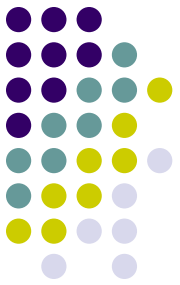
Multi- Disciplinary



Vegetable Crops Field Day



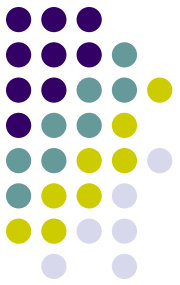
Lifeboat





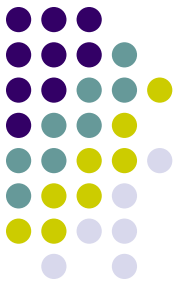
2007 RCAS Proceedings

- **‘Workshop on Financial Strategies and Cost Recovery Systems’**
 - Moderated by Jim Beaty,
 - Handouts provided by
 - Arizona
 - Ohio
 - California
 - Perdue



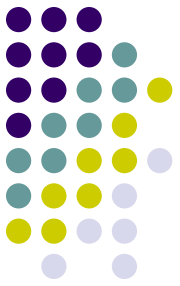
Preface

- FY 2010 - 2011
 - NC budget - \$3.7 billion \$ shortfall
 - 1.3 billion \$ tax increases to expire
 - 1.6 billion \$ federal stimulus to run out
 - State Agencies 5 -15 % cuts
 - Research Stations
 - 25% budget cut at NCSU Stations
 - Station and faculty each pay 50% Direct Cost at both NCSU & NCDA&CS Stations.



Budgets

- FY 2008 – 09 (30% reversion)
 - P.I.'s paid for their own and additional to compensate
- No temporary labor \$ approved from operating the past 2 years.
- Utilized inmate labor 10+ years.
- FY 2009-10 No set budget. Written justification required for all requisitions.
- FY 2010-11 spend only as necessary (no budget set until 1/27/11 with 25% cut)



Looking Back

- FY 2008 – 09 (30% reversion)
 - P.I.'s paid for their own and additional to compensate

Where Did Survey Input Come From?

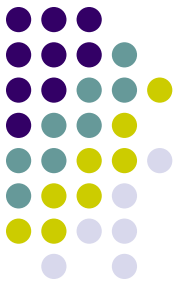


- CALS/NCSU Administration
- RCAS
- Faculty
- CES
- Superintendent

The Struggle

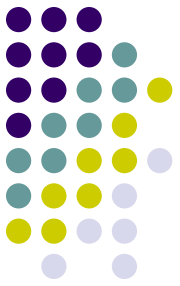


Denny, we are struggling with this very question and appreciate your leadership on a very difficult task. I do not envy you in trying to put together a survey that will address these issues.



Survey Goals

- Partner with faculty and staff to produce quality research.
- Be fair
- Evaluate Project impact on overall station
- Gain support from P.I.'s when funds and labor are unavailable.
- Assess present use to determine station resources.



Grouping Survey Topics

- How MHCRS and MHCREC can work together more effectively
- Projects
- Sustainability
- Income
- Labor

Grouping Survey Questions

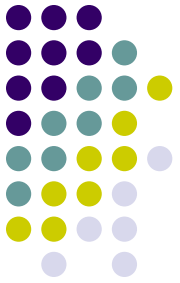


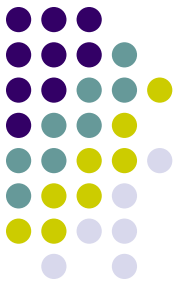
How can MHCRS and MHCREC work together more effectively?

- What limits research?
- What are the priorities?
- What limits expansion?
- What to do if the situation worsens?

Projects

- O92's
- Cost sharing
- Greenhouse projects

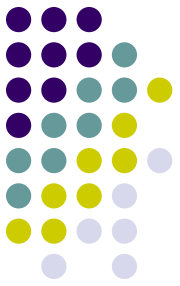




Infrastructure

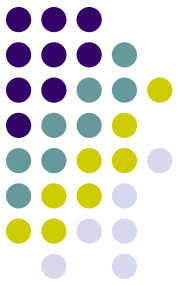
- Aging
- Need for equipment storage
- Equipment acquired from other stations
- Greenhouse upkeep and maintenance is a major expense.
- Research land is very limited. New property but limited infrastructure.
- Diseases and lack of land for rotation are taking a toll on research.

Sustainability

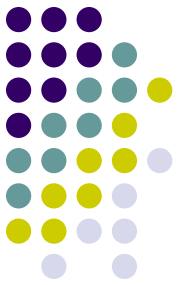


- Defining Sustainability
- Soil borne diseases
- Station appearance and maintenance

Rotation is beneficial



Benefit of Rotation at MHCRS



11 year study 1995 - 2005

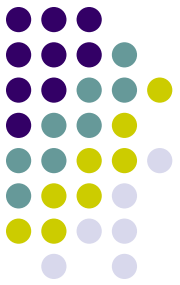
Vegetable Rotation Systems (with Tomatoes every 3rd year) vs.
Continuous Tomato System

Results

- Every tillage and production treatment (plowed vs. conservation treatments and chemical vs. organic management treatments) had greater yields in the rotated location compared to the continuous location.
- Strong evidence of the importance to rotate vegetable crops.

Conservation Tillage for Vegetable Production

Greg D. Hoyt. Dept. Soil Science

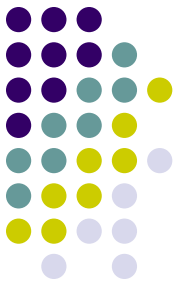


Field Problems

Soil borne diseases.

- Phytophthora
- Bacterial Wilt
- Tomato mosaic virus (ToMV) in 2009

Field Sanitation Protocols enacted 2010

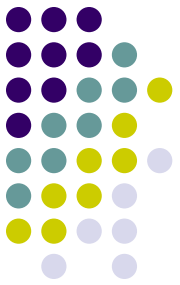


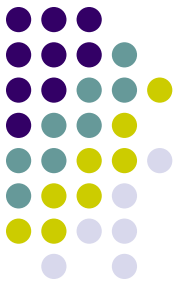
Budget

- Receipts
- Leasing land vs. maintaining
- Direct Costs
- If funding is uncertain

Labor

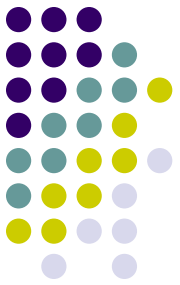
- Labor pools
- Inmates
- If labor is uncertain





Survey Questions

- Emailed December to PI's and their support staff.
- Emailed and made hardcopies for station staff.



Question 1

Which of the following do you qualify as:

Answer 1

_____ Mountain Horticultural Crops Research Station (MHCRS) staff: Full time employees who are responsible for managing land, equipment and assist project staff in performing a variety of station operations to support research.

_____ Project staff: Principal Investigators (PI's) and technical staff.

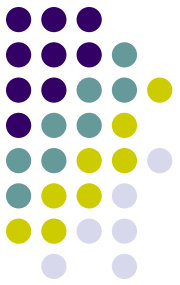


Question 2

My position is located on the station or off the station? Answer 1.

_____ Located at MHCRS or Mountain Horticultural Crops Research and Extension Center (MHCREC)

_____ Campus or other location based.



Question 3

Why do you think the ability to perform research at MHCRS is limited? Rate 1 – 5 with 1 the main reason and 5 the least.

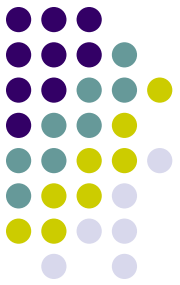
_____ Funds are not available to conduct research and make purchases

_____ There is not enough help available

_____ We don't have the time and resources (like equipment)

_____ Suitable land is not available

_____ The quality of research will suffer if project load increases beyond our capabilities.



Question 4

Do you work with research projects that are combined with more than one project where the P.I. has more than one project in the same field. Answer 1.

_____Yes

_____No

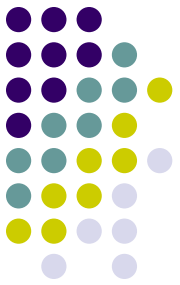


Question 5

Do you work with projects that are combined with other projects from other departments? e.g. horticulture and plant pathology. Answer 1.

_____Yes

_____No

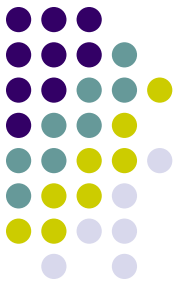


Question 6

What is the biggest problem with combining projects? Answer 1.

_____It is better to keep projects separate from a logistical and practical standpoint.

_____Land is available so there is no need to combine.



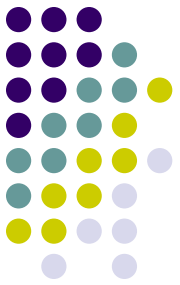
Question 7

If a field has a problem like the soil borne pathogen bacterial wilt and there is no chemical means of control and spread mechanically what should be done? Answer 1.

_____Map the infected areas, leave out the infected areas reducing the size of the field and perhaps the project

_____Rotate out of the entire field for the recommended 5 years.

_____Do nothing about the problem.



Question 8

Greenhouse projects are assigned by the Special Facilities Committee and are not submitted as 092's. Should greenhouse projects be assigned as 092's in addition to provide better tracking? Answer 1.

_____Yes

_____No



Question 9

What is the best way to approve 092's? Rate 1-5.
Rate 1 as the best way and 5 the least.

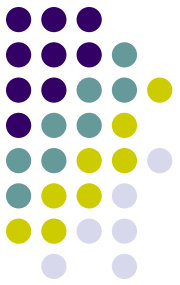
_____ Give priority to projects that are submitted first.

_____ Give priority to new faculty and graduate students.

_____ Form a committee to approve

_____ By lottery

_____ Handle on a one to one basis.



Question 10

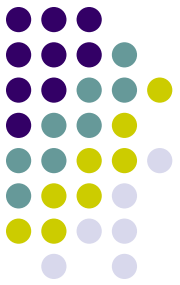
What are the stations most pressing needs? Rate 1 – 4. Rate 1 as the most pressing and 4 the least.

_____ Additional labor

_____ Develop the infrastructure of the former Southeastern Container property.

_____ Revising the 092 approval process.

_____ Doing a whole farm plan for MHCRS to include new and existing land.



Question 11

How is sustainability best defined for the immediate *short-term* future of MHCRS? Rate 1 - 5. Rate 1 as the most important and 5 as the least important.

_____Funding projects

_____Resource conservation (following recommended crop production practices like rotation)

_____Staffing

_____Maintenance of facilities

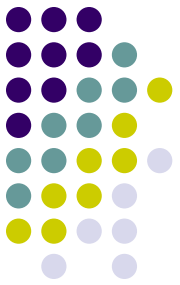
_____Expansion of facilities



Question 12

How is sustainability best defined for the *long-term* future of MHCRS? Rate 1-5. Rate 1 as most important and 5 as the least important.

- _____ Funding projects
- _____ Resource conservation
- _____ Staffing
- _____ Maintenance of facilities
- _____ Expansion of facilities

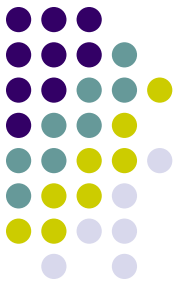


Question 13

What should be priority? Answer 1.

_____ Keeping the station in field day condition
at all times

_____ Performing research.



Question 14

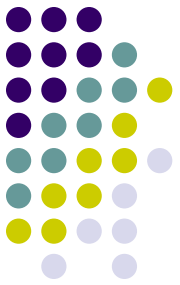
What are the most important factors affecting Station upkeep? Rate 1-4. Rate 1 as the most important 4 the least.

_____ Operating funds.

_____ Staffing

_____ Equipment is needed for upkeep.

_____ Research project workload limitsj time available for upkeep.



Question 15

What are the main reasons limiting expansion of MHCRS at present? Rate 1 – 5. Rate 1 as the main reason and 5 the least.

_____The number of projects and workload limits expansion.

_____Facilities are inadequate

_____Operating funds are inadequate.

_____Lack of funds for capital projects to improve infrastructure are inadequate.

_____Land available for research is inadequate.



Question 16

What condition does the majority of the station equipment look like it is in? Answer 1.

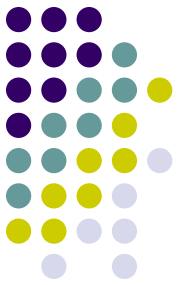
_____Most equipment is in poor shape.

_____Most equipment is in fair shape

_____Most equipment is in good shape

_____Most equipment is in excellent shape

Question 17

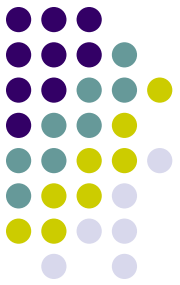


If research land is limited what is the best thing to do with 092's as they are received? Answer 1.

_____ Hold all the 092's until after the deadline to submit are in and share the land equally and approve all projects.

_____ Assign projects based on resources the PI is able to provide.

_____ Give priority to 092's by date submitted and for project leaders that follow to be okay with land that may not be as desirable.



Question 18

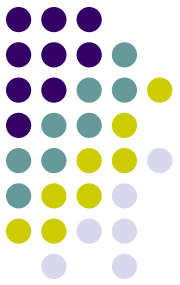
How important to your research is developing the infrastructure in order to utilize the former Southeastern Container Property? Answer 1.

_____Very important

_____Relatively important

_____Not important

Question 19

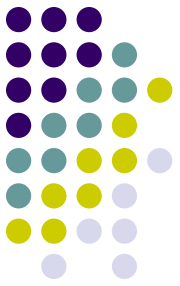


MHCRS has generated an average of \$5,874 /year in receipts the past 5 years. This amounts to 2.8% of the average operating budget of \$207,026 over the past 5 years. Do you think the station can significantly increase receipts for example by 10% to \$20,602?

Do you think this can be accomplished? Answer 1.

_____Yes

_____No



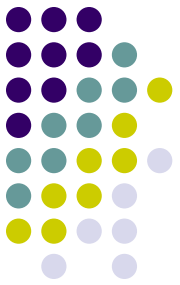
Question 20

If so, how is this best accomplished? Answer
1.

_____Compete more with growers by ways
like direct marketing.

_____Raise crops to generate income only,
like hay.

Question 21



Do you think MHCRS should lease the former Southeastern Container property that includes following field sanitation guidelines or for the station to produce hay for sale even if it means increasing operational expenses and workload? Answer 1.

_____Lease

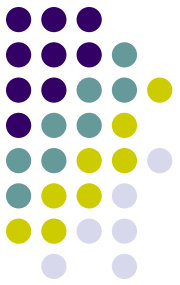
_____For the station to produce hay



Question 22

If the station wants to cost share with a PI and working with a sponsor (e.g. a fertilizer company) for a grant what are the most pressing needs that need to be cost shared. Rate 1 - 4 with 1 being the greatest need and 4 the lowest.

- _____Supplies
- _____Travel
- _____Temporary Labor
- _____Equipment



Question 23

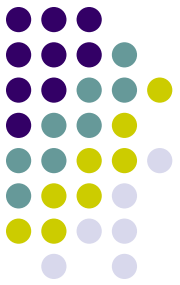
If funding and labor is uncertain when submitting a 092, rate 1-4 with 1 the first consideration the PI should have and 4 the last.

_____ Reduce the size of the PI's project if funding and labor is uncertain

_____ Proceed with the project as submitted even though funding and labor is uncertain.

_____ The PI needs to plan to provide their own additional labor and funding before approving the project.

_____ Ask the PI to consider moving the project to another station.



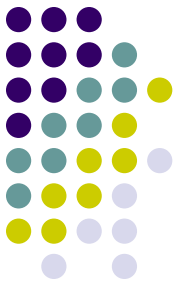
Question 24

Do you think it is better for a PI to contribute to a labor pool to hire temporary labor to work on other projects or just their own projects? Answer 1.

_____ It is better for PI's to contribute to a labor pool.

_____ It is better for PI's to hire labor for their project(s) only.

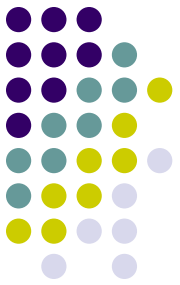
Question 25



Do you approve of using inmate labor?

_____Yes

_____No



Question 26

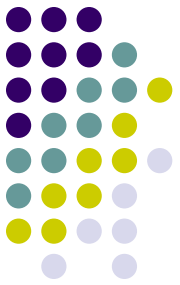
There is no labor substitute at present if MHCRS' loses inmates. How would it affect your work if the station lost inmate labor? Answer 1.

_____The work I am involved with will suffer.

_____It wouldn't make any difference with my work.

_____Other labor sources would be utilized like cost sharing labor if we didn't have inmates.

Question 27



If the current situation (inc. lack of land, labor, funding etc.) does not improve or worsens what can be done to reduce the overall impact on the station? Rate 1-5 with 1 what to do first and 5 what to do last

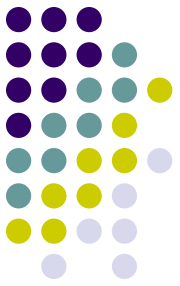
_____ Continue as we have been doing until the resources run out.

_____ Give priority to projects that can fully support their programs.

_____ Support as much research as possible with P.I's and Station through cost sharing.

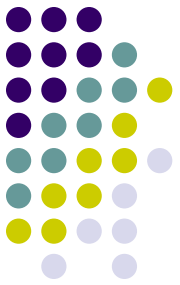
_____ Researchers will provide a complete protocol to avoid big projects significantly impacting other work of the station.

_____ For MHCRS to develop a priority order for each resource and what can be done in what order so the P.I. can plan for additional project resources if needed.



Blame it on the Computer

- Survey Monkey limited to 10 questions
- NCSU Survey Builder
- Word was underlining text in email



Outcome

Survey is temporarily on hold

- Some questions viewed as leading questions
- There are no simple answers to the questions and there are pros and cons and consequences.
- I do not think this is a very valid survey that represents all common answers.
- I would suggest that you add a comment section to the survey.

