Stan Mayfield
Biorefinery Pilot Plant
RIBBON CUTTING CEREMONY
President J. Bernard Machen  
University of Florida  

and  

Chief Executive Officer John B. Crowe  
Buckeye Technologies, Inc.  

cordially invite you to attend the ribbon cutting ceremony  
for the  

Stan Mayfield Biorefinery Pilot Plant  
at the new UF facility at Buckeye Technologies, Inc. in Perry, Florida  

1:30 p.m., Monday, January 9, 2012  

RSVP to specialevents@ifas.ufl.edu or (352) 392-2411 Ext. 305  

It is recommended that everyone wear closed-toe flat shoes.  
In addition, it would be advisable for ladies wanting to tour the upper levels of the plant to wear slacks.
Turn Right on Hwy 27 South
Capital Circle
Hwy 27
50 miles to Perry
Tallahassee Airport

Turn east at County Road 30
2 miles to Buckeye

Tampa 200 miles
Cross City 45 miles

Traffic Light

UF
UNIVERSITY OF FLORIDA
IFAS
Today the University of Florida’s Institute of Food and Agricultural Sciences celebrates the dedication of the new Stan Mayfield Biorefinery Pilot Plant in Taylor County, built in partnership with Buckeye Technologies, Inc.

The project, funded by a $20 million appropriation from the Florida Legislature, will allow UF researchers to study the most effective ways to convert biomass into cellulosic ethanol—reducing our nation’s dependence on imported fossil fuels, helping consumers save money, and preserving natural resources.

Florida leads the nation in tons of biomass grown each year, making the Sunshine State a potential leader in the production of renewable fuels.

Buckeye Technologies, Inc. manufactures and distributes cellulose-based specialty products made from wood and cotton worldwide. The company’s products include chemical cellulose, customized fibers, fluff pulp, and nonwoven materials.

The UF Board of Trustees named the facility for Stan Mayfield, a member of the Florida House of Representatives from 2000 until his death in 2008. An alumnus of UF’s College of Engineering, he was a leader in education and environmental issues. As chairman of the Florida House’s Environmental and Natural Resources Council, he championed energy research, including funding for the Perry plant. Debbie Mayfield currently represents District 80 in Representative Stan Mayfield’s stead.

Much of the plant’s research will be based on the work of Dr. Lonnie Ingram, UF distinguished professor of microbiology and cell science and director of the Florida Center for Renewable Chemicals and Fuels.
INTRODUCTION
Dr. Joe Joyce
Executive Associate Vice President for Agriculture and Natural Resources

WELCOME AND OPENING REMARKS
Dr. Bernie Machen
President of the University of Florida

ADDITIONAL REMARKS
Commissioner Adam Putnam
Department of Agriculture and Consumer Services

Dr. Jack Payne
Sr. Vice President for Agriculture and Natural Resources

Mr. John Crowe
Chairman and CEO, Buckeye Technologies, Inc.

DEDICATION AND ACCEPTANCE FOR THE STATE OF FLORIDA
The Hon. Debbie Mayfield
Florida House of Representatives, District 80

DEDICATION AND ACCEPTANCE FOR THE UNIVERSITY OF FLORIDA/IFAS
Dr. Lonnie Ingram
Distinguished Professor, UF/IFAS Microbiology and Cell Science Department;
Director, Florida Center for Renewable Chemicals and Fuels at the University of Florida

CLOSING
Dr. Joe Joyce

Photographs, refreshments and tours of the Stan Mayfield Biorefinery Pilot Plant immediately following the dedication.
Step 1. Biomass Feed Bin
Step 2. Pretreatment
Step 3. Liquefaction
Step 4. Seed Propagation
Step 5. Fermentation
Step 6. Beer Well
Step 7. Distillation
Step 8. Decanter
Step 9. Data Analysis
Everything entering the process leaves as a commercial product

Day 0
- Seed Propagation

Day 1
- Pretreatment
- Liquefaction
- Fermentation

Day 1-4
- Fermentation

Day 4-5
- Beer Well
- Distillation
- Decanter

Biomass (70% Sugar)
3-5 tons/day

Liquefaction

Fertilizer Co-Products

Solids Boiler Fuel Co-Products
1-2 tons/day

Fermentation

Decanter

Ethanol
210-350 gallons/day

Distillation

Process Chemicals
- Magnesium Sulfate
- Trace Metals
- N, P, K
Contact Information

Director: Lonnie O. Ingram
igram@ufl.edu | 352-392-8176

Plant Manager: Ralph Hoffman
rhoff@ufl.edu | 850-584-4507

Chief Process Engineer: Ismael U. Nieves
ismael.nieves@ufl.edu | 850-584-4507
Joe Joyce  
Stan Bartz  
Joe Glaz  
Sue Hager  
Bill Smith  
Carol Walker

Nancy Frigam  
Brent & Voyles  
JEFF McPHAUL

Darren Eng  
Dorothy Homan

Kevin Kelley  
Al Dowdey  
Malcolm Sage  

Pat  

Marti  

Karl Graham  
Tom Ferrara  
Belk Ingram  

OMAR SAUDIPT

UF/IFAS  
MYRIANT  
MYRIANT  

UF FPC  
UF FPC

The Whiting-Turner Contracting Co.

Greenbelt Resource Corp
UF/IFAS (Agr & Biological Eng.)

Rep. Steve Southerland

City Council  
Taylor County Commission

Renewable Fuels LLC  
USDA/ARS

Renewable Spirits LLC

Florida Cannabis Corp.
Decker  - UF/IFAS

Chris Fluster  - UF/IFAS

K.T. Shawver  - UF/IFAS

WM Brown  - CSB

Gary Chosa  - Buckeye

Phil Dye  - School District - Tyler

Larry DePietro  - Capital City Wine Investment

Pat Bascom  - Buckeye Florida L.P.

Rudolph Parker  - TCSO

Richmond Jones  - TCSO

L.B. Romig  - TCSO

Win Phillips  - TCSO

Jack Payne

Bernie Machen

John Byatt  - UF

Emily Kutsong  - City of Perry

Brandy Turner  - Doctors Memorial Hospital
JEFF DORAN FL. FORESTRY ASST.
MaryAnn Scan MF/IFAS
Jack Rechsig ITAF
Red Brier TCDA
Malvina Saylor TCDA
Betty Biren BKI
Sandy Hunter BKI
Jim Mays
Debra Mayfield
Ellen
Chalmers
Yvonne Minton
Daniel Minton
Steve Minton
Rep. Carl Good
Scott Breden
Brenda Carlton
Dana Sullivan
Dan Reisz
Cat Owens
George C. Owens
Mark Wink
Robert Schell

Nuke Tognergy, FD DEPT OF AGRICULTURE
Jay Lemerrer, RN DPT OF AG

Dear Everyone,

George Oberschlechter BKI
David Lung BKI
Clay Bethel
Walker Basset BKI

Charlton Knowles BCFCU
Pam Ragon-Parker BCFCU
Rosa Williams - Chamber of Commerce

Aaron Portwood - Words N WATER
Kelly Ellis - BKI

Pat Pattic B2 of Commision
Bob Gate - BKI

Lenton Cooper - BKI