

**36th ANNUAL MEETING
PLANT GROWTH REGULATION SOCIETY OF AMERICA
August 2-6, 2009, Asheville, North Carolina**

***TENTATIVE PROGRAM
(as of 9th June, 2009)***

Sunday 2 August

09:30 to 10:00 Registration Open for Pre-Conference Tour – Meeting Room Lobby

10:00 to 17:00 **Pre-Conference Tour** – Biltmore Estate

13:00 to 15:00 Pre-Conference PGRSA Steering Committee Meeting – Swannanoa

15:00 to 19:00 Conference Registration Open - Meeting Room Lobby

19:00 to 21:00 **Opening Reception** - Overlook

Monday 3 August

07:30 to 18:30 Conference Registration Open – Meeting Room Lobby

07:30 to 08:30 Breakfast - Pilot

09:00 to 09:30 Opening Remarks – Pisgah

09:30 to 10:00 **Keynote Address**

Development of 1-MCP, Dr. Sylvia Blankenship, NC State University

10:00 to 12:00 **1-MCP Symposium**

Personal History of the Commercialization of 1-MCP. Ed Konstansek.
AgroFresh Inc.

Research and Current/Potential Uses of 1-MCP on Apples. Chris
Watkins. Cornell University

Research, Current/Potential Uses of 1-MCP on Other Fruit Crops. Don
Huber. University of Florida.

Research and Current/Potential Uses of 1-MCP on Row Crops. Tim
Malefyt. AgroFresh Inc.

12:00 to 13:30 Lunch – on your own

13:30 to 15:00 **Session 1 - Contributed Papers**

DIFFERENCES IN EFFICACY OF PRE- AND POST-HARVEST 1-MCP TREATMENT COMBINATIONS SUGGEST ETHYLENE RECEPTORS MAY BE RAPIDLY FORMED IN ATTACHED FRUIT OF SOME APPLE CULTIVARS

S. McArtney, M. Parker and J.D. Obermiller

EFFECTS OF NAA AND SHADING ON YOUNG FRUIT ABSCISSION AND EXPRESSION OF GENES RELATED TO ABA BIOSYNTHESIS, ETHYLENE BIOSYNTHESIS AND CELL WALL DEGRADATION IN 'GOLDEN DELICIOUS' APPLES

H. Zhu and R.C. Yuan

EFFECTS OF CP ON STRESS TOLERANCE AND GENE EXPRESSION IN ARABIDOPSIS

Li Gong, Zhanao Deng, Huating Dou and Terry Hanson

STOLLER'S BIOFORGE CONTROLLING PLANT STRESS

A.Liptay, R A Salzman and J. H. Stoller

DIFFERENTIAL EVOLUTION OF ENDOGENOUS ETHYLENE FROM PREHARVEST APPLICATION OF ETHEPHON TO FOUR WALNUT CULTIVARS

R.H. Beede

COMBINATIONS OF NAA AND AVG PROVIDE ENHANCED CONTROL OF PREHARVEST FRUIT ABSCISSION IN APPLE

S. McArtney and Rongcai Yuan

15:00 to 15:30 Break

15:30 to 17:15 **The Role of Hormones in Stress Tolerance Symposium**

Stress Control for Achieving High Corn Yields. Fred Below, University of Illinois

MCP and Strobilurin Effects on Corn Stress. David Ross, Syngenta

Role of Hormones in Stress Tolerance. Nick Bate, Pioneer

ABA Promotion of Stress Tolerance. Peter Petracek, VBC

18:30 to 21:00 **Poster Session Reception – Pilot**

**OSTEOSPERMUM GROWTH CONTROL WITH PACLOBUTRAZOL
SUBSTRATE DRENCHES**

J. Barnes, B. Whipker, W. Buhler, and I. McCall

**IN VITRO GALAX SEED GERMINATION UNDER DIFFERENT PLANT
GROWTH REGULATOR, CULTURE MEDIUM STRENGTH AND PH FACTORS**

Guochen Yang and Zhongge (Cindy) Lu

**ATRFC3 MUTATION CAUSES CELL PROLIFERATION DEFECT IN LEAF
DEVELOPMENT OF *ARABIDOPSIS THALIANA***

Shitou Xia, Yuelin Zhang, Puhua Zhou and Langtao Xiao

**DETERMINATION OF BOTH JA AND MEJA IN *ARABIDOPSIS* USING SPE
EXTRACTION AND LC-MS-MS DETECTION**

Xia Liu, Jiahua Tong, Zhigang Huang, Xiaocun Bao, and Langtao Xiao

**USING AN *Ascophyllum* KELP EXTRACT AND AN AMINO ACID MIXTURE TO
HASTEN THE GROWTH IN NURSERY OF RECENTLY BUDDED TAHITI LIME
(*Citrus latifolia* TANAKA)**

J. Pablo Morales-Payan

**FRUIT ATTRIBUTES OF ‘CABEZONA’ PINEAPPLE AS AFFECTED BY
APPLICATION OF AN *Ascophyllum nodosum* EXTRACT**

Mabel Vega-Almodóvar, J. Pablo Morales-Payan, Sonia Martínez-Garrastazú,
Luisa Flores and Juan Toro

**USING MULCHES AND A PEPTIDE-BASED BIOSTIMULANT TO REDUCE THE
INTERFERENCE OF THE WEED PURPLE NUTSEDGE WITH WATERMELON**

J. Pablo Morales-Payan

**AMINOETHOXYVINYLGLYCINE (AVG) EFFECTS AS POSTHARVEST
TREATMENT IN TWO LOW-CHILL PEACH VARIETIES**

J. Pablo Morales-Payan, Maria del Carmen Libran, and Evelio Hernandez

Tuesday 4 August

07:30 to 19:00 Conference Registration Open – Meeting Room Lobby

07:30 to 09:00 Attendee Breakfast – Pilot

07:30 to 09:00 Sustaining Members Breakfast – Dogwood

09:00 to 10:30 **PGR Use in Agronomic Crops Symposium**

Cyclanilide: Mechanism of Action and Activity in Cotton. Jim Burton, NC State University

Role of PGRs in Intense European Small Grain Production. Wilhelm Rademacher, BASF

Peanut Response to Prohexadione Calcium, D. Jordan, NC State University

10:30 to 12:00 **Session 2 - Contributed Papers**

UNICONAZOLE AFFECTS THE HEIGHT OF CONTAINER-GROWN TOMATO PLANTS

J.E. Barrett and C.A. Bartuska

THE EFFECT OF 'SOAR' BIOSTIMULANTS ON FRUIT YIELD OF BELL PEPPERS IN CONSECUTIVE SEASONS

A. Csizinszky

RETAIN® PLANT GROWTH REGULATOR APPLICATION FOR THE SUPPRESSION OF PISTILLATE FLOWER ABORTION (PFA) IN WALNUT

R.H. Beede

ABSCISSION AGENTS MIGHT ENHANCE THE QUALITY OF FRESH CUT TABLE GRAPES

Matthew W. Fidelibus and Kimberley A. Cathline

DEVELOPMENT OF AMV-1018 FOR CONTROLLING POST-HARVEST SPROUTING IN POTATOES

J. Immaraju, J. Orr, L. Knowles, R. Knowles and N. Olsen

STROBILURINS AFFECT ETHYLENE BIOSYNTHESIS THROUGH INHIBITION OF ACC OXIDASE

F. Paul Silverman, Jenny C. Kochan and Peter D. Petracek

12:00 to 13:30 Lunch – on your own

13:30 to 15:30 PGR Use in Turf and Ornamentals

New Uses of PGRs in Ornamentals: Configure (6-BA) Increases Branching of Herbaceous Perennials, J. Latimer, Virginia Tech

The Development of the Plant Growth Regulator Flurprimidol in Fine Turf, B.T. Bunnell, SePRO Corp.

Bert McCarty, Clemson University

Jeff Borger, Penn State University

15:30 to 16:00 Break

16:00 to 17:00 Session 3 - Contributed Papers

FLURPRIMIDOL PRE-PLANT BULB SOAKS CONTROLS GROWTH OF *LILIUM LANCIFOLIUM* 'ORANGE TIGER'

J. Barnes, B. Whipker, W. Buhler, and I. McCall

EFFECTS OF PGRS ON ROOT GROWTH OF HERBACEOUS PERENNIALS

J. Latimer and J. Freeborn

EFFECTS OF S-ABA ON ETHYLENE INSENSITIVE PETUNIAS

J. E. Barrett and C. A. Bartuska

IN VITRO REGENERATION AND POLYPLOID INDUCTION IN RHODODENDRON 'FRAGRANTISSIUM IMPROVED'

C.J. Herbert, D.H. Touchell, T.G. Ranney, and A.V. LeBude

Evening to enjoy on your own.

[Shuttle available to downtown Asheville (must be reserved half a day in advance, \$5 per person round trip).]

Wednesday 5 August

07:00 to 09:00 Conference Registration Open – Meeting Room Lobby

07:30 to 09:00 Attendee Breakfast – Pilot

09:00 to 9:30 **Historical Perspectives Session** - Pilot

The Development of Prohexdione Calcium, Wilhelm Rademacher, BASF

09:30 to 10:30 **Industry Update Session** - Pilot

10:30 to 11:00 **IR-4 Update**, Christie Palmer, IR-4

11:00 to 12:00 **Session 4 - Contributed Papers**

PROHEXADIONE CALCIUM (APOGEE®) REDUCES GROWTH OF CONTAINER GROWN CITRUS ROOTSTOCK SEEDLINGS

T.M. Spann, A.E. Tsagkarakis and J.P. Syvertsen

PROHEXADIONE-CALCIUM AFFECTS SHOOT GROWTH AND YIELD OF LEMON, ORANGE AND AVOCADO DIFFERENTLY

L. Garner and C. Lovatt

HORMONAL AND ANATOMICAL EFFECTS OF APPLE ROOTSTOCKS

T. Tworkoski and G. Fazio

PHOTOREGULATION OF ANTHOCYANIN PRODUCTION IN RED-LEAF LETTUCE WITH BLUE LEDS IS AFFECTED BY TIMING AND LEAF AGE

Gary W. Stutte, Sharon L. Edney and Gerard J. Newsham

12:00 to 13:30 Awards and Business Lunch

14:00 to 16:00 PGRSA Steering Committee Meeting

Evening to enjoy on your own.

[Shuttle available to downtown Asheville (must be reserved half a day in advance, \$5 per person round trip).]

Thursday 6 August

08:30 to 09:00 Post-Conference Tour Registration Open – Meeting Room Lobby

09:00 to 17:00 **Post-Conference Tour**

North Carolina Arboretum

Mountain Horticulture Crops Research Station

Van Wingerden International Greenhouse