

2008年度 農産加工学研究室 第5回Open Seminarのお知らせ

Presenter : Erik Runkle (Ph.D)

(Associate Professor, Department of Horticulture,
Michigan State University, USA)



**Title : Energy-Efficient Greenhouse Production of
Ornamental Crops**

(エネルギー効率に配慮した花き 観賞用作物)の温室生産)

場所 : 京都大学農学部総合館 W-306室

日時 : 2009年 3月 4日 (木) 13:00 ~ 14:00

The cost of fuel is an increasingly significant production expense for greenhouse growers in temperate climates. High heating costs have motivated growers to improve the efficiency of crop production to minimize energy inputs. We have been performing experiments to understand how temperature and photosynthetic daily light integral influence production time and quality of numerous flowering ornamental plants. Using a decision-support computer program called Virtual Grower, we can estimate energy consumption in different commercial greenhouse environments throughout the United States. With this information, we are able to predict the growing temperature that consumes the least amount of energy on a per-crop basis. Additional energy-efficient greenhouse production strategies will also be briefly presented.

本セミナーは、学内外を問わずどなたでも参加自由ですので、興味を持たれている方がおられましたら、お誘い下さいますようお願い申し上げます。不明な点等がありましたら、地域環境科学専攻 農産加工学研究室、清水 内線 6169)までお知らせ下さい。