

# Advanced Turfgrass Short Course

When: Thursday - Friday, February 7-8, 2008  
 Location: Pauline Whitaker Center, Fayetteville, AR (see map on the other side)



Arkansas' most comprehensive turfgrass education program offered  
 Pesticide Recertification offered through the Arkansas State Plant Board  
 Equip yourself to become a better turfgrass manager

**PESTICIDE RECERTIFICATION OFFERED**

## Thursday, February 7, 2008

Time	Topic	Speaker
8:00 am - 8:15 am	Welcome	Drs. Patton and Richardson
8:15 am - 11:00 am	Mathematics for the turfgrass professional	Dr. Aaron Patton
11:00 am - 12:00 pm	Hands-on equipment calibration	Dr. Aaron Patton
1:00 pm - 1:45 pm	Turfgrass growth and physiology: Practical implications	Dr. Mike Richardson
1:45 pm - 2:30 pm	Plant growth regulators: How to get them to work for you	Dr. Mike Richardson
2:30 pm - 3:15 pm	Modifying soils for turfgrass growth	Dr. Doug Karcher
3:30 pm - 4:15 pm	Soil, tissue, and water quality tests: Interpreting the results	Dr. Doug Karcher
4:15 pm - 5:00 pm	Management of creeping bentgrass putting greens	Dr. Mike Richardson

## Friday, February 8, 2008

Time	Topic	Speaker
8:00 am - 8:45 am	Management of bermudagrass putting greens	Dr. Aaron Patton
8:45 am - 9:45 am	Pesticide safety and handling	Dr. Aaron Patton
9:45 am - 10:00 am	Arkansas pesticide laws and regulations: Update	Dr. Aaron Patton
10:15 am - 11:00 am	Environmental fate of pesticides applied to turfgrass	Dr. Doug Karcher
11:00 am - noon	Managing soil moisture with wetting agents	Dr. Doug Karcher
1:00 pm - 1:40 pm	Designing and maintaining athletic fields in Arkansas	Dr. Aaron Patton
1:40 pm - 2:40 pm	Lawn care application programs	Dr. Aaron Patton
2:55 pm - 3:40 pm	Environmental fate of nutrients applied to turfgrass	Dr. Mike Richardson
3:40 pm - 4:00 pm	Prize drawing and final comments	Drs. Patton and Richardson

**New in 2008!** This course works to build upon the principles learned in the basic turfgrass short course. This is an intensive 2-day turfgrass management short course. It is designed specifically to benefit turfgrass managers in golf, lawn, grounds, or athletic field care that are looking for more training in turf management. The course emphasizes sound, research-based fundamentals of the why behind the how turf is cared for in Arkansas. Topics are taught class room style and cover the fundamentals of: turfgrass mathematics, soil, tissue, and water quality tests, turfgrass growth and physiology, plant growth regulators, soils, management of creeping bentgrass putting greens, management of bermudagrass putting greens, lawn care application programs, athletic turf management, environmental fate of nutrients applied to turfgrass, pesticide safety and handling, and environmental fate of pesticides applied to turfgrass. *Pesticide recertification training is available at this course.*

### Speakers

**Dr. Mike Richardson** is a Turfgrass Physiologist and Professor in the Department of Horticulture, University of Arkansas where he teaches undergraduates and conducts research on turfgrass. He has worked extensively with warm- and cool-season grasses in the transition zone and has training in agronomy, plant breeding, and plant physiology. Mike has worked in the area of drought tolerance and carbohydrate metabolism and his work with seeded and vegetative bermudagrass has led to the development of management strategies for improved winter hardiness.



extensive experience evaluating cultivation practices, water repellency, and water movement in soils.

**Dr. Aaron Patton** is a Turfgrass Extension Specialist and Assistant Professor in Department of Horticulture, University of Arkansas. He has conducted research on herbicide safety and management practices affecting the establishment of seeded warm-season grasses as well as the physiological causes of differences in zoysiagrass growth and freeze tolerance. He will work in concert with extension, research, and teaching faculty to provide leadership and support to the Arkansas turfgrass industry.



**Dr. Doug Karcher** is a Turfgrass Soil Specialist and Associate Professor in the Department of Horticulture, University of Arkansas where he teaches undergraduates and conducts research. He has worked to develop digital image analysis techniques to quantify turfgrass cover and turfgrass color. Doug also has





**Pauline Whitaker Center, Fayetteville, AR** (Washington County)  
1335 W. Knapp, Fayetteville, Arkansas 72701

**From the South:** Take I-40 to I-540 North (exit 7). From I-540 North to Hwy 112 (exit 66). Turn right on Hwy 112 (Garland) and travel south for 0.7 miles. The Pauline Whitaker arena is on the right (west).

**From the North:** After Bella Vista, take I-540 South all the way to Fayetteville. From I-540, exit Hwy 112 (exit 66). Turn right on Hwy 112 (Garland) and travel south for 0.7 miles. The Pauline Whitaker arena is on the right (west).

**From the East:** Take Hwy 412 to I-540. Take I-540 South to exit Hwy 112 (exit 66). Turn right on Hwy 112 (Garland) and travel south for 0.7 miles. The Pauline Whitaker arena is on the right (west).

**From the West:** Take Hwy 412 east via Cherokee Turnpike from Tulsa, Okla., to I-540 South. Take I-540 South to exit Hwy 112 (exit 66). Turn right on Hwy 112 (Garland) and travel south for 0.7 miles.



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Lodging: There is no designated short course hotel. Local accommodations include, but are not limited to the following hotels: Fairfield Inn (479) 587-8600; Hampton Inn (479) 587-8300; Holiday Inn Express (479) 444-6006; and Sleep Inn (479) 587-8700.

Cost: Early registration is \$175 for the first registrant and \$150 for each additional registrant within the same company, which includes continental breakfast, catered lunch, and snacks each day as well as education materials.

Preregistration: Preregistration is required. There is a discount for early registration by January 15, 2008. Please preregister no later than February 1, 2008. Attendance is **limited to the first 70 registrants**.

*Detach and return by mail or fax. Contact Jo Salazar (479) 575-2604 for more information. Photocopy if needed.*

Organization \_\_\_\_\_ Phone (\_\_\_\_) \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_



Attendee name:

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

Total amount due

Early registration (if postmarked by Jan. 15)	
Cost	
<input type="checkbox"/> \$175.00	
<input type="checkbox"/> \$150.00	
<input type="checkbox"/> \$150.00	
<input type="checkbox"/> \$150.00	
<input type="checkbox"/> \$150.00	
<input type="checkbox"/> \$150.00	
\$ _____	

Late registration (if postmarked by Feb. 1)	
Cost	
<input type="checkbox"/> \$190.00	
<input type="checkbox"/> \$165.00	
<input type="checkbox"/> \$165.00	
<input type="checkbox"/> \$165.00	
<input type="checkbox"/> \$165.00	
<input type="checkbox"/> \$165.00	
\$ _____	

Make checks payable to the Agricultural Development Council (ADC) or charge

Mastercard  Visa  Discover  3 digit V-code

Card # \_\_\_\_\_

Total amount charged \$ \_\_\_\_\_ Exp. Date \_\_\_\_\_ Authorized signature \_\_\_\_\_

Credit card billing address (if different than above address) \_\_\_\_\_

Email (s): \_\_\_\_\_

Return registration form to:

Jo Salazar  
PTSC 316  
1 University of Arkansas  
Fayetteville, AR 72701  
Fax: (479) 575-8619