Plants for Medians in Cheyenne

Plant Select® plant smarter

Ross Shrigley

Executive Director

Colorado State University

DENVER BOTANIC GARDENS

Plant Select® currently promotes 149 plants.

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DRESS FOR LESS

How did this project go so wrong?!

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Right Plant
Right Place?!

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Let's remember where we live- in a steppe climate.

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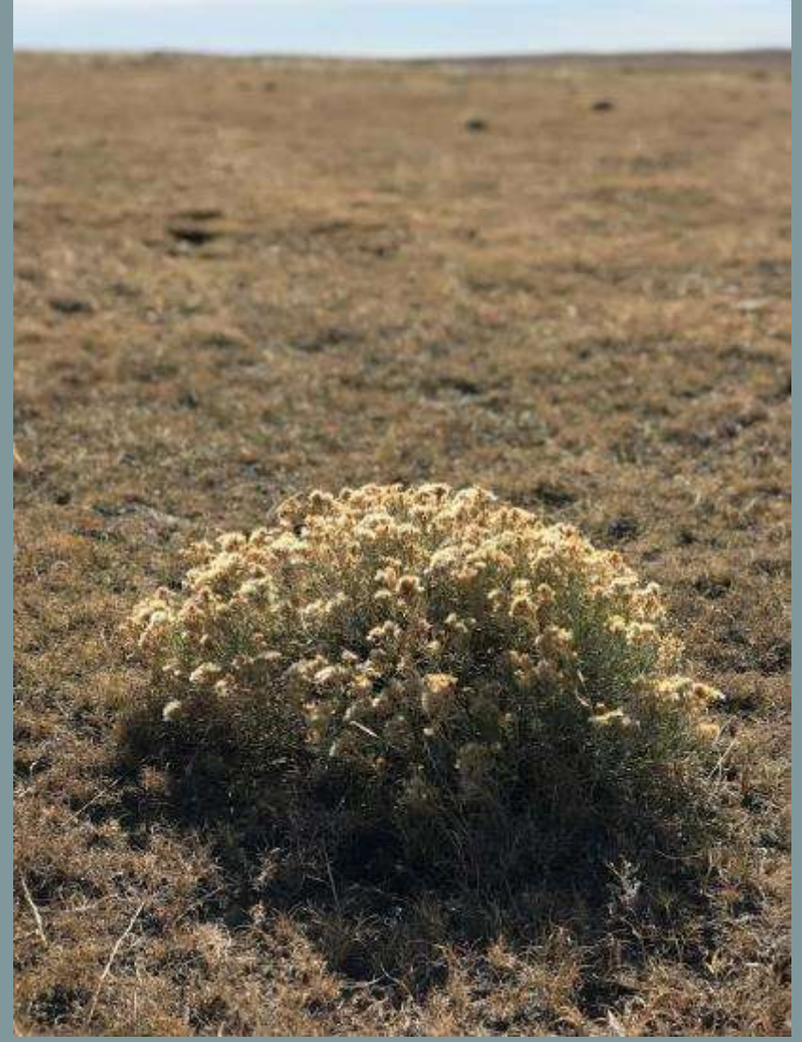

Dwarf Baby Blue rabbitbrush

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Blonde Ambition
Blue Gramma Grass

Blonde Ambition Blue Gramma Grass

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Standing Ovation little bluestem

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CHEYENNE® mock orange

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CHEYENNE® mock orange

Apache plume

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Plant Select®
plant smarter

Apache plume

Sucker Punch®
Chokecherry

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Sucker Punch®
Chokecherry

Plant Select®
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HOT WINGS® Tatarian maple

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Plant Select®
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Russian hawthorn

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Russian hawthorn

Weeping White Spruce

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Weeping White Spruce

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Woodward Columnar Juniper

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Blue Jazz pinyon pine

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Dwarf pinyon pine

Mountain lover

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Mountain lover

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Panchito manzanita

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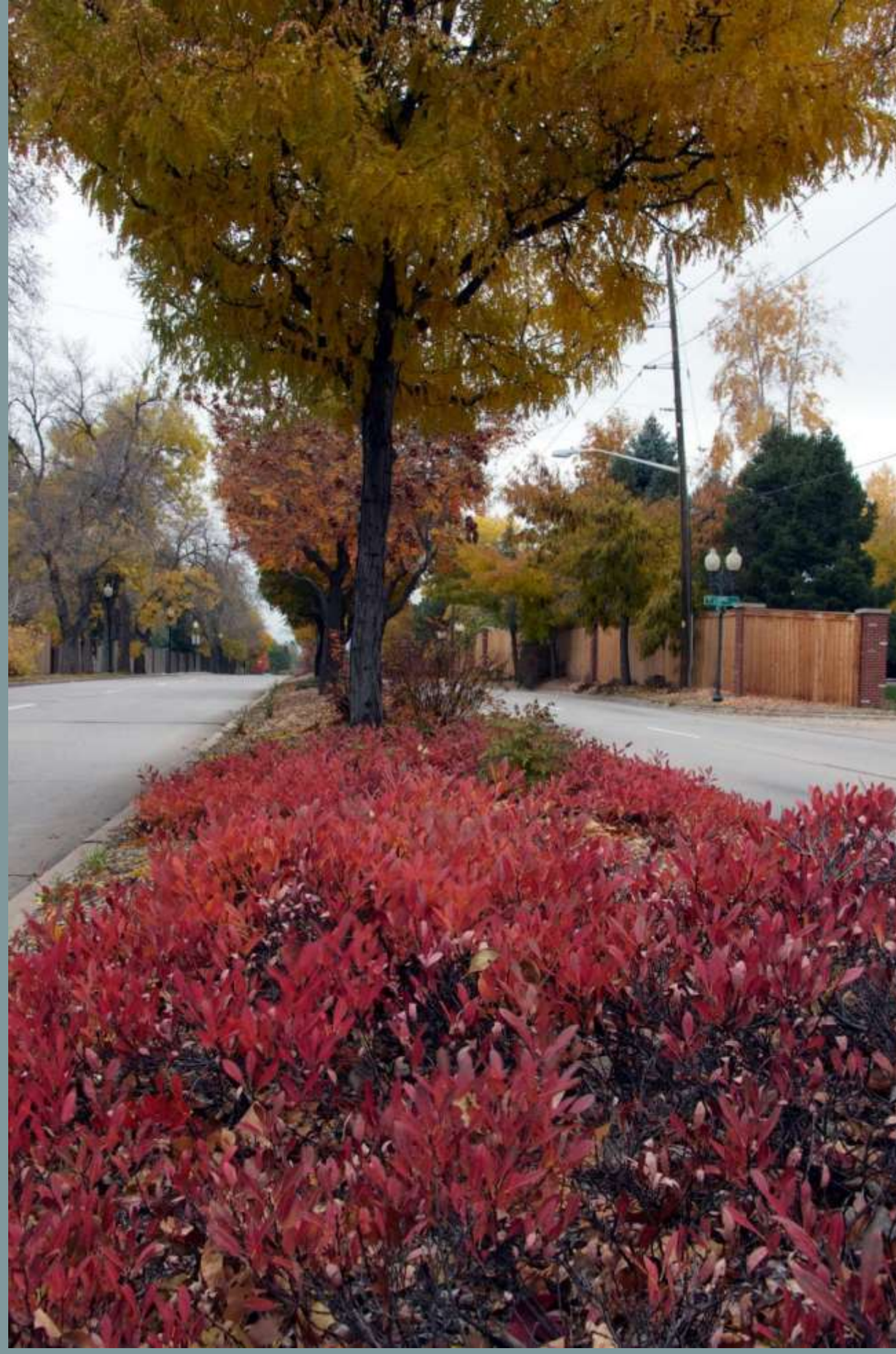

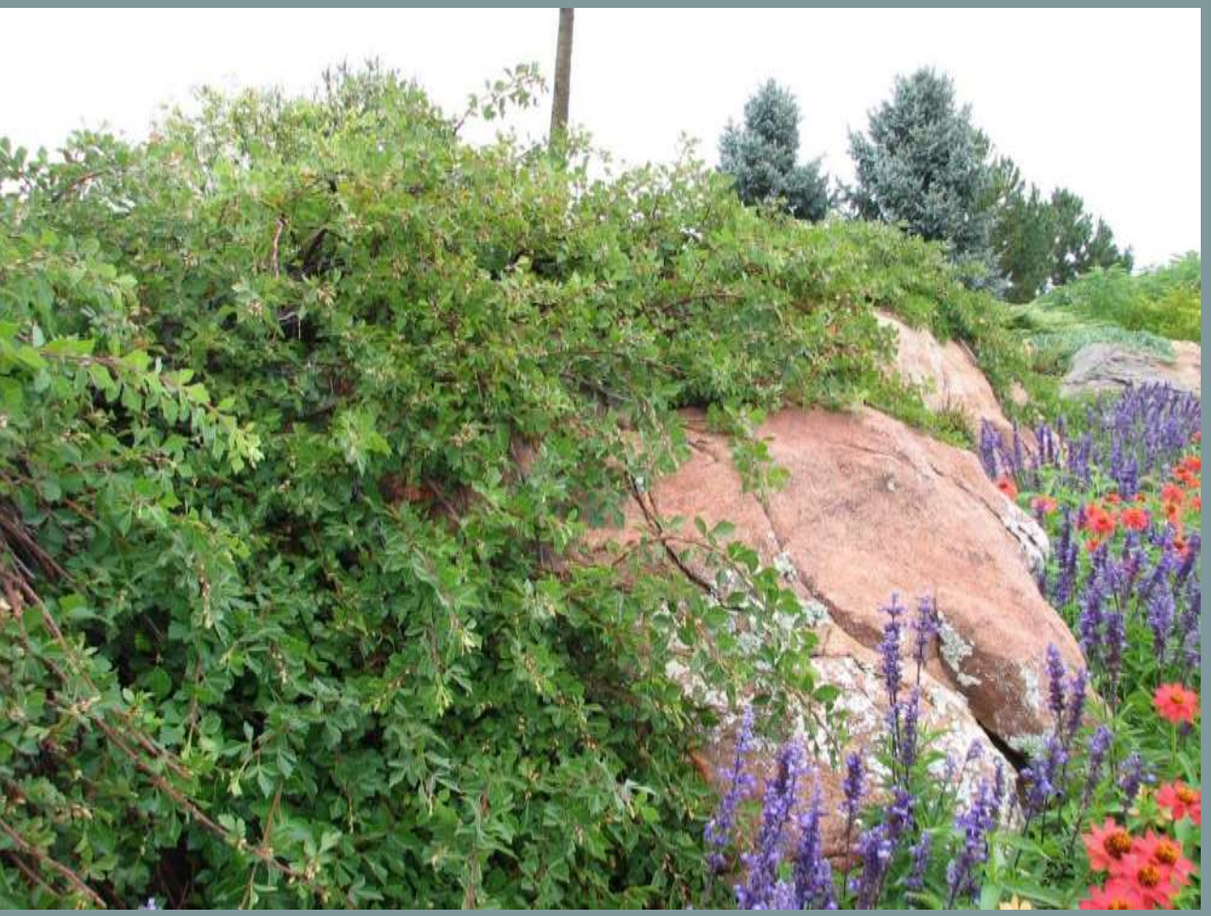

Autumn Amber sumac

DENVER GOLD® columbine

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KANNAH CREEK® buckwheat

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KANNAH CREEK® buckwheat

Plant Select®
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Plant Select®
plant smarter

CORAL CANYON® twinspur

Plant Select®
plant smarter

LITTLE TRUDY® catmint

Red feathers

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Plant Select®
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Red feathers

Raised medians better?

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Plant large or plant small?

Let's talk porous media

Lessons from the Crevasse Garden Style

6,200' Presentation

0:11 / 1:15

6,200' Presentation

0:14 / 1:15

Gravel Beds at 6,200' Presentation

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Roof top gardens use it exclusively.

What about planting?

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How about bare root?

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Spring 2017

Summer 2017

Fall 2018.

What about watering?

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Point source?

Netafim on top?

How would subirrigation be installed?

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The technology is here today.

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SOLUTIONS BY NETAFIM™

ARAPAHOE PARK AND RECREATION DISTRICT

DRIPLINE BECOMES AN EFFICIENT SOLUTION FOR COLORADO SPORTS COMPLEX

TECHLINE CV DRIPLINE CAN TAKE ON ANY CURVE BALL

PROJECT OVERVIEW
Arapahoe Park and Recreation District is a high traffic sports facility utilized by communities on the outskirts of Denver, CO. The complex encompasses a total of 500 acres of open area, 100 acres of developed parks, 14 miles of trails, along with a 75,000 square-foot multipurpose facility. The Arapahoe complex is located in the High Plains region where there is a limited amount of ground water.

With the facility in use constantly, Arapahoe needed an irrigation solution that was hassle free. Fiscally sound start-up costs along with efficient water management were among the top priorities of the park.

Netafim District Sales Manager, Kelly Keicher, worked with Chris Willis and Doug Rockne to design and install the turf management system.

NETAFIM SOLUTION
Techline CV Dripline was Netafim's answer for Arapahoe's needs.

"Dripline delivers a precise amount of water directly to the root zones without wasting a drop," said Keicher.

The dripline would prevent any inefficient loss of water through evaporation or wind drift. In addition, if irrigated prior to sporting events, the Techline CV dripline alleviates soil compaction by softening the soil.

Subsurface irrigation provided yet another perk for the facility, allowing the fields to virtually be watered at any time.

Techline CV Dripline was the solution for responsible management of water that Rockne requested along with many added bonuses.

ARAPAHOE PROJECT STATS

LOCATION
Englewood, CO

LANDSCAPE ARCHITECT
Doug Rockne, Rockne Corty Design

LANDSCAPE CONTRACTOR
Chris Willis, Colorado Total Maintenance, Inc.

ISSUES TO ADDRESS
- Conserve water usage in semi-arid desert environment
- Fiscal start-up cost
- Relieve soil compaction to minimize sport injuries and increase safety
- Flexible irrigation schedule to accommodate the high demand of a sport facility
- Minimize wind water loss

NETAFIM PRODUCTS USED
- Techline CV Dripline with 0.4 GPH dripper flow rate, 12" dripper spacing
- Row spacing at 15"
- Subsurface installation at 6" depth
- Netafim disc filters

RESULTS
- By irrigating before practices, soil is relieved of compaction minimizing player impact and injuries
- Significant savings have been noted for water usage cost
- No loss of water on gusty days
- Maintenance costs from mower damage were reduced
- Subsurface installation also reduced vandalism of irrigation components
- Flexible irrigation schedule allowed for system operation during field use

Install 12-18 inches of porous media 4 inches from grade height.

If you would have heard 30 years ago growing plants in an air pot was better, would you have believed it?

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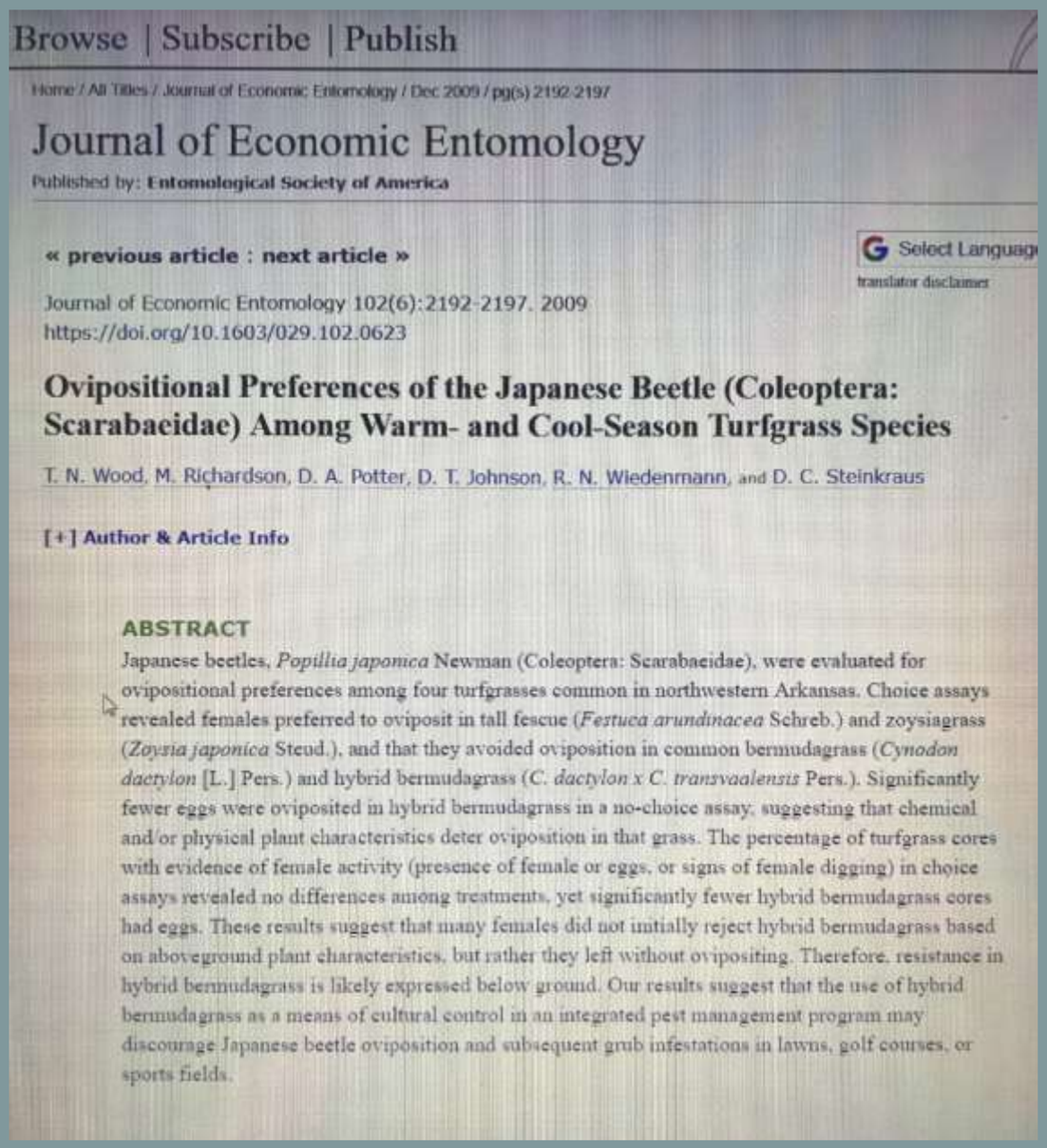
Remember that today
lack of water delivery is not the
problem anymore.

Right Plant
Right Place?!

Japanese Beetles

Their Damage



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Select Languag

translator disclaimer

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Ovipositional Preferences of the Japanese Beetle (Coleoptera: Scarabaeidae) Among Warm- and Cool-Season Turfgrass Species

T. N. Wood, M. Richardson, D. A. Potter, D. T. Johnson, R. N. Wiedenmann, and D. C. Steinkraus

[+] Author & Article Info

ABSTRACT

Japanese beetles, *Popillia japonica* Newman (Coleoptera: Scarabaeidae), were evaluated for ovipositional preferences among four turfgrasses common in northwestern Arkansas. Choice assays revealed females preferred to oviposit in tall fescue (*Festuca arundinacea* Schreb.) and zoysiagrass (*Zoysia japonica* Steud.), and that they avoided oviposition in common bermudagrass (*Cynodon dactylon* [L.] Pers.) and hybrid bermudagrass (*C. dactylon x C. transvaalensis* Pers.). Significantly fewer eggs were oviposited in hybrid bermudagrass in a no-choice assay, suggesting that chemical and/or physical plant characteristics deter oviposition in that grass. The percentage of turfgrass cores with evidence of female activity (presence of female or eggs, or signs of female digging) in choice assays revealed no differences among treatments, yet significantly fewer hybrid bermudagrass cores had eggs. These results suggest that many females did not initially reject hybrid bermudagrass based on aboveground plant characteristics, but rather they left without ovipositing. Therefore, resistance in hybrid bermudagrass is likely expressed below ground. Our results suggest that the use of hybrid bermudagrass as a means of cultural control in an integrated pest management program may discourage Japanese beetle oviposition and subsequent grub infestations in lawns, golf courses, or sports fields.

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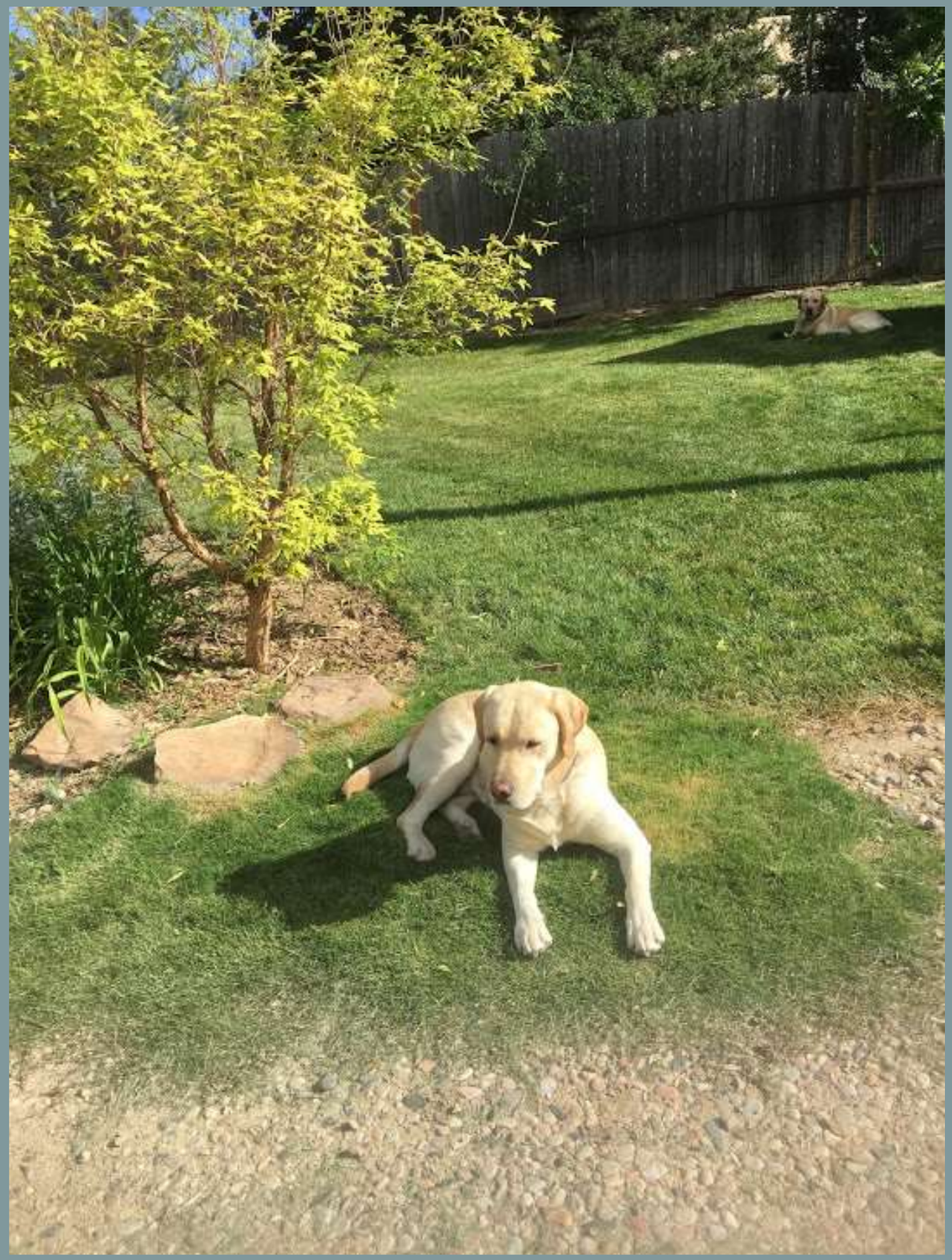
DOG TUFF™ grass-

- besides that dogs love it.
- Saves Water
- Saves on Gas
- May reduce the habitat of Japanese Beetle



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Dog Tuff Grass

for full sun urban and residential landscapes

DogTuff™
LOW WATER TURF
THE PREMIER LAWN FOR FULL SUN URBAN LANDSCAPES

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Brown is the new GREEN!

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DOG TUFF™ grass-

- struggles to compete with healthy Kentucky Blue Grass

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2018

Delosperma ‘PJS01S’

GRANITA™ Raspberry

ice plant

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2018

Scutelliaria ‘Pat Hayward’

SKY’S EDGE™ scutellaria

Photo credit ©Keith A Williamson

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2018

Scutelliaria ‘Pat Hayward’

SKY’S EDGE™ scutellaria

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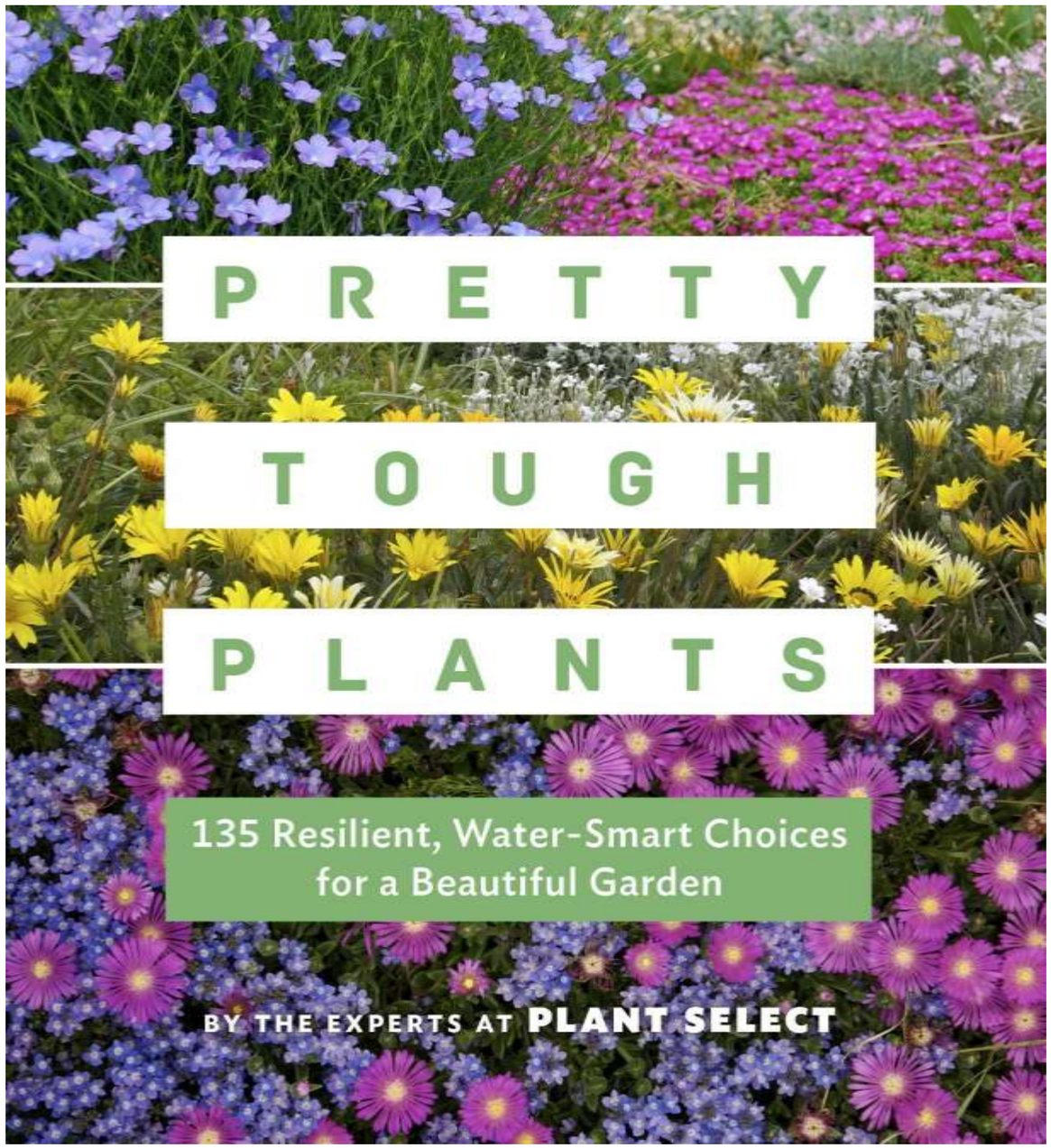
Thank You!



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