





Poll Question

What is the leading influencer on U.S. golf course maintenance budgets?

- 1 | Equipment
- 2 | Labor
- 3 / Plant control products
- 4 | Water

LARGEST GOLF COURSE MAINTENANCE EXPENSES

Labor	56%
Fungicides	5%
Fertilizer	5%
Equipment (Lease/Maintenance)	9%



Poll Question

What percentage of U.S. golf course superintendents have a university degree?

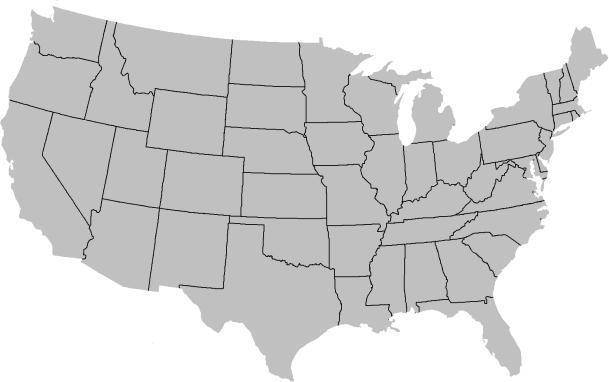
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    1 | 18%
    2 | 35%
    3 | 48%
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Undergraduate Degrees 48% 51% Graduate Degrees

- Water
- > Government regulations

AVERAGE 18-HOLE
MAINTENANCE BUDGET
FOR WATER



- Water
- Government regulations

AVERAGE 18-HOLE

MAINTENANCE BUDGET **FOR WATER**

Upper West/Mountain (37% purchased)

11%



- Water
- > Government regulations

AVERAGE 18-HOLE
MAINTENANCE BUDGET
FOR WATER

Southwest (70% purchased)

25%

Upper West/Mountain (37% purchased)

11%



Water

Government regulations

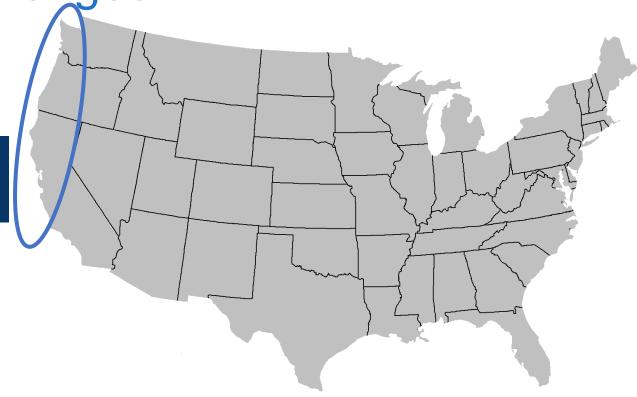
AVERAGE 18-HOLE MAINTENANCE BUDGET FOR WATER

Pacific	29%
(48% purchased)	

Southwest (70% purchased) 25%

Upper West/Mountain (37% purchased)

11%



Meeting Challenges

RESEARCH

EDUCATION

IMPLEMENTING SOLUTIONS



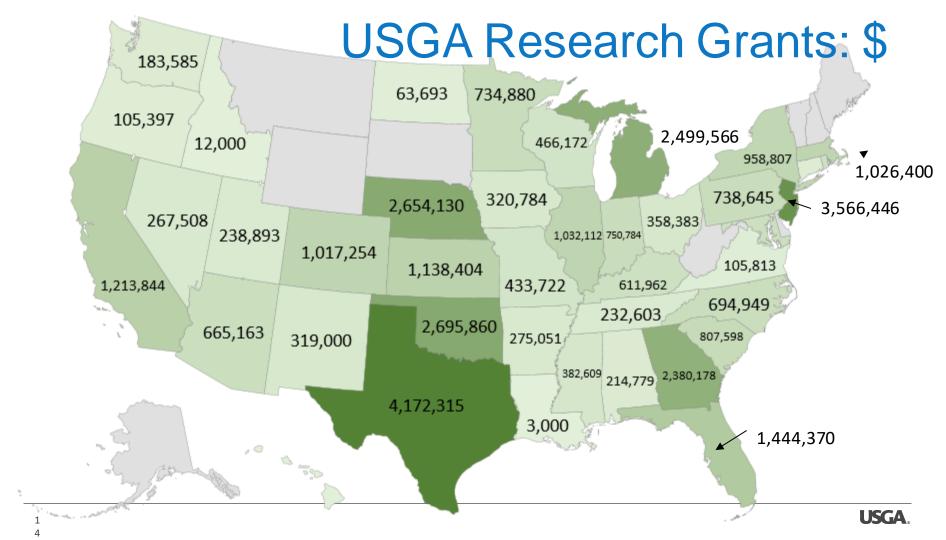




USGA Green Section

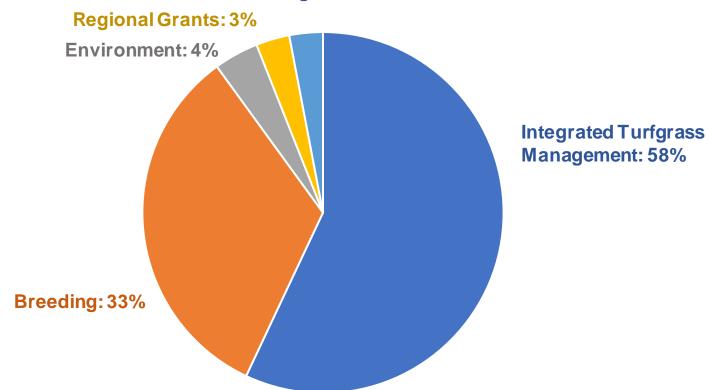






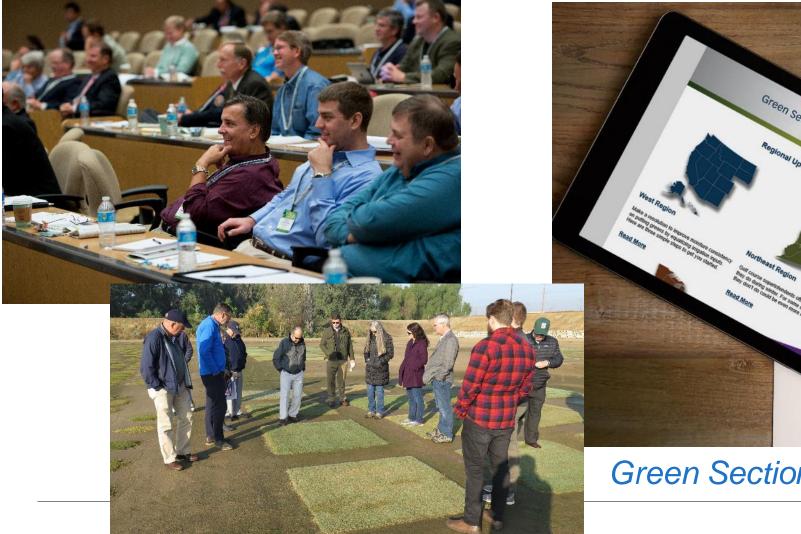
USGA Research Grants













Green Section Record

USGA.



Case Study: Bermudagrass Advancements

Case Study: Bermudagrass Advancements



