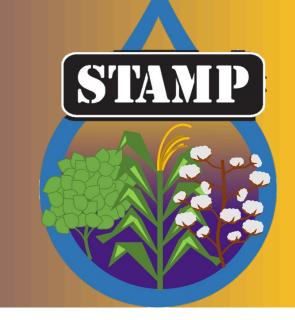


# Initiating Cross-Platform Recertification Opportunities for Licensed Irrigation Contractors

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### GOAL

The project's goal was to develop and utilize versatile educational material appropriate for cross-platform delivery (in-person or virtual) that is educational, interesting, applicable to their businesses, relatively new to Louisiana contractors, and meets the regulatory requirements of recertification.

#### **TARGET AUDIENCE**

Landscape Irrigation Contractors are licensed project managers that specialize in irrigation systems. Anyone who profits from landscape irrigation activities must be licensed in Louisiana. Their responsibilities include designing irrigation systems, specifying pumps or distribution or improving application efficiencies, and managing water resources. Once licensed by the state, they can manage teams of technicians and field labor on contracted irrigation projects.

#### **STATE LICENSE RULES**

The Landscape Irrigation Contractor License authorizes the holder to construct, install, connect, repair, maintain, improve or alter any portion of a landscape irrigation system, including the required wiring for that system. It is enforced by the Louisiana Department of Agriculture and Forestry (LDAF).

To become and remain licensed as a Landscape Irrigation Contractor, you must meet the following requirements:

- Pass a 60-question exam covering 11 topics with a score of 80% or higher
- Show proof of liability insurance and pay the state renewal fee annually
- Take an approved IN-PERSON six-hour recertification course every three years

### **CLASS DEVELOPMENT AND STRUCTURE**

Four irrigation topics and one safety topic were selected for these classes for a total of six hours of education per class.

Covered Topic	Concept Level	Time (h)
Soil, Water, and Plant Relations – Part 1	Foundational	1.5
Soil, Water, and Plant Relations – Part 2	Practical	1.5
Louisiana One Call	Safety	1
Smart Irrigation Technologies	Advanced	1
Two-wire Technologies	Advanced	1

Historically, all classes were held in-person by the Louisiana Irrigation Association (LIA) under a Memorandum of Understanding with LDAF. If contractors remained visually attentive to presentations for most of the day, they received credit for taking the course. However, this method was not possible for virtual delivery.



Virtual

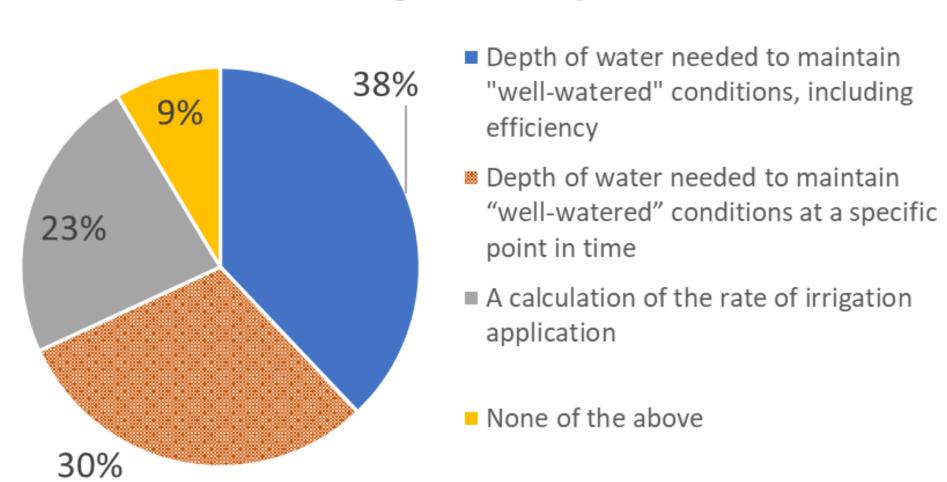
Instead, a hybrid version was conducted initially. Contractors chose to attend in-person or via TEAMS. Virtual required attendees were technical answer questions to assess participation (see Technical Results, right). Two questions were asked each irrigationspecific module to ensure attendance continued throughout the day.

At the day's end, attendees were required to fill out a survey to assess their experience (see Experiential Results, below) and serve as proof of recertification. It became clear that most

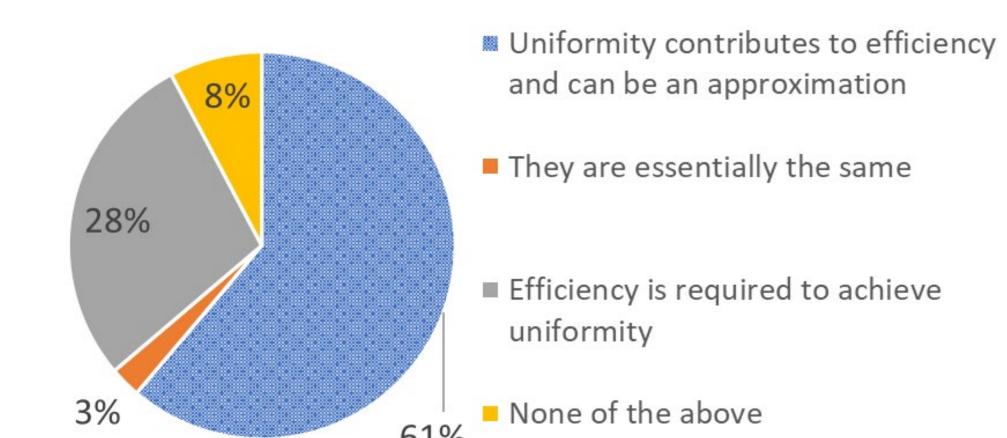
<b>Class Dates</b>	Type of Delivery	Attendees	preferred virtual options.	
10/22/2020	Cross-Platform	14	Thus, recordings from the	
12/3/2020	Cross-Platform	11	first cross-platform class	
1/15/2021	Virtual	32	were turned into video	
4/8/2021	Virtual	13	modules used on all remaining virtual opportunities.	
• •	Virtual	13		
1/21/2022	Virtual	15		

#### **TECHNICAL RESULTS**

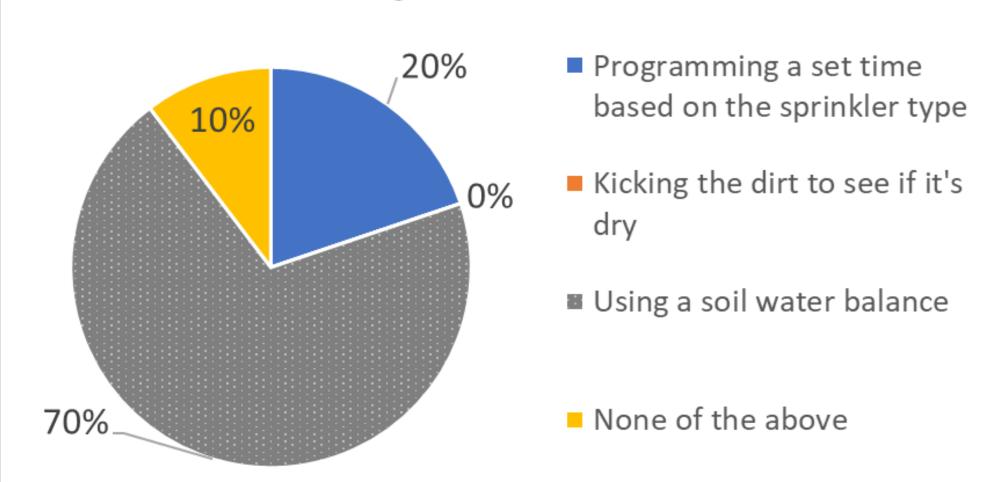
## What is the net irrigation requirement?



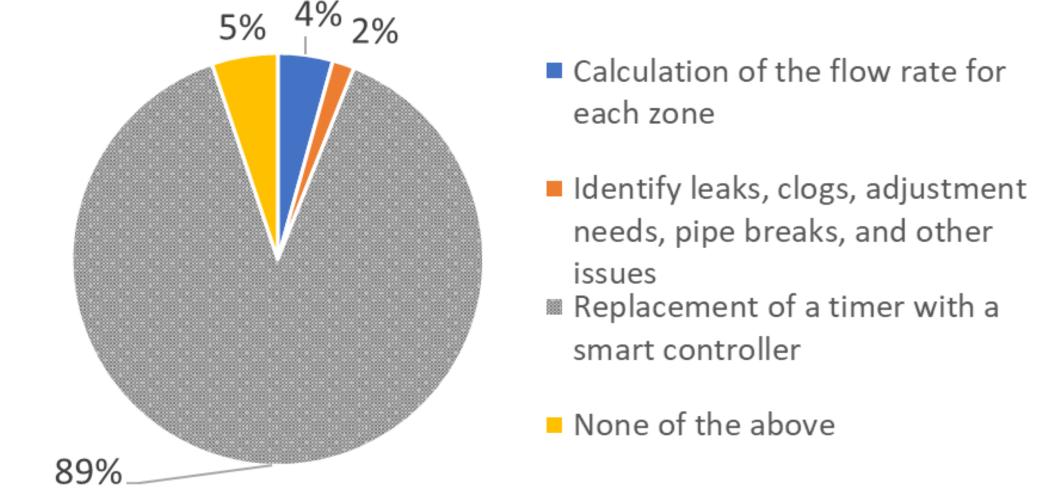
## What is the relationship between efficiency and uniformity?



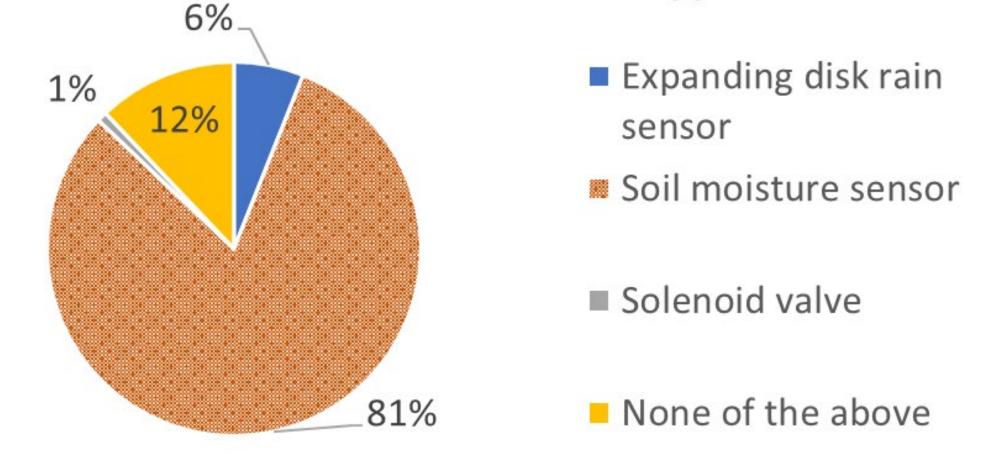
## How is irrigation scheduled?



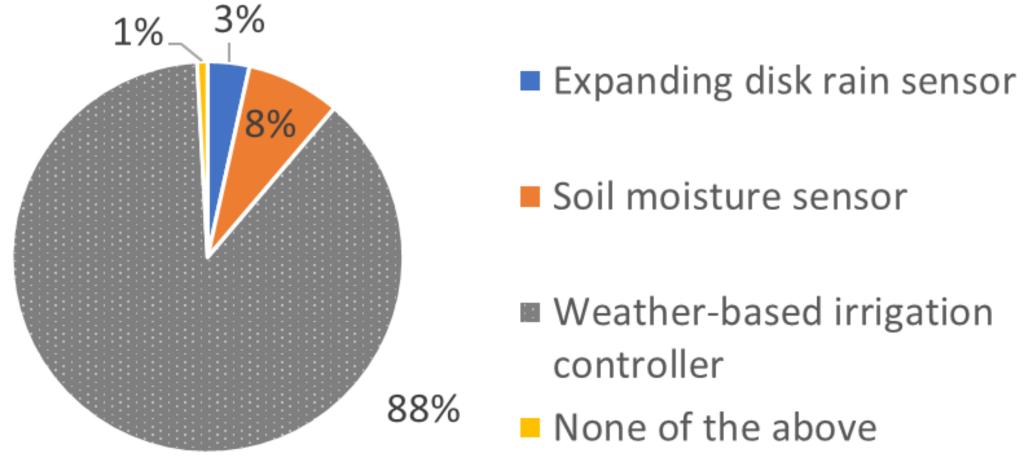
## What is NOT included in a typical wet check?



## Which of the following would be classified as a smart technology?



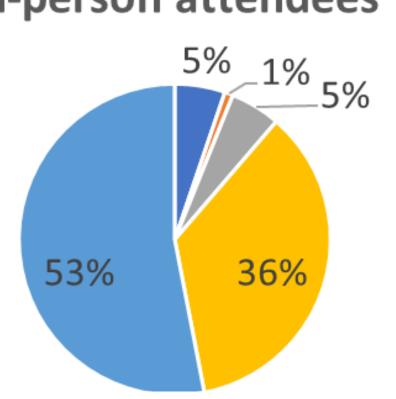
# Which smart technology can BOTH increase or decrease irrigation application?



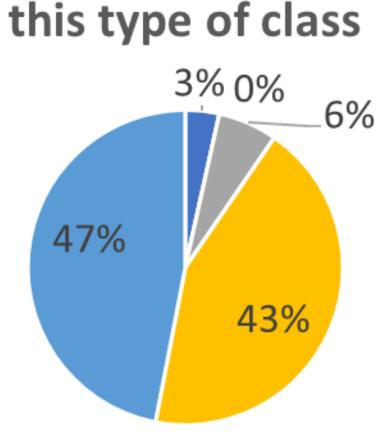
## **EXPERIENTIAL RESULTS**

1/21/2022

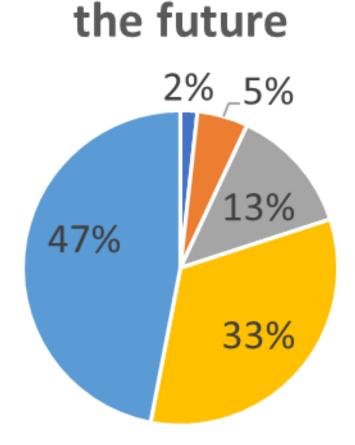
# I could see and hear the class content as well as in-person attendees



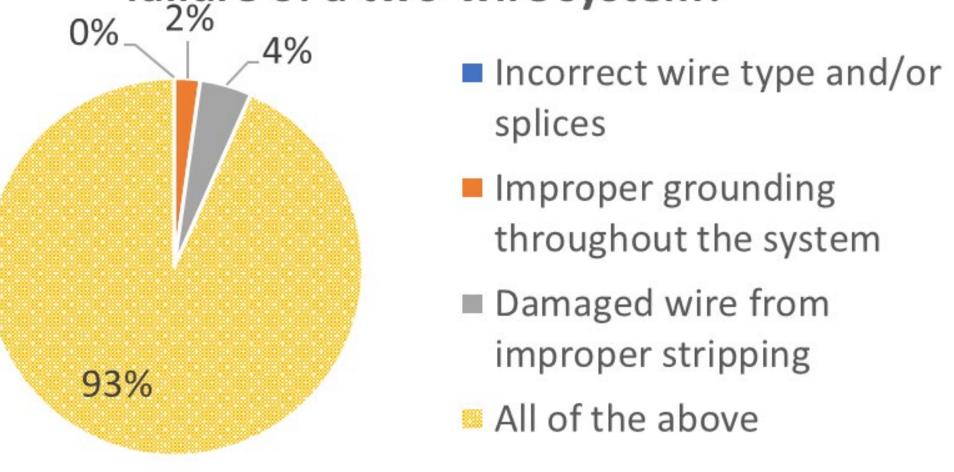
# MS TEAMS was good for



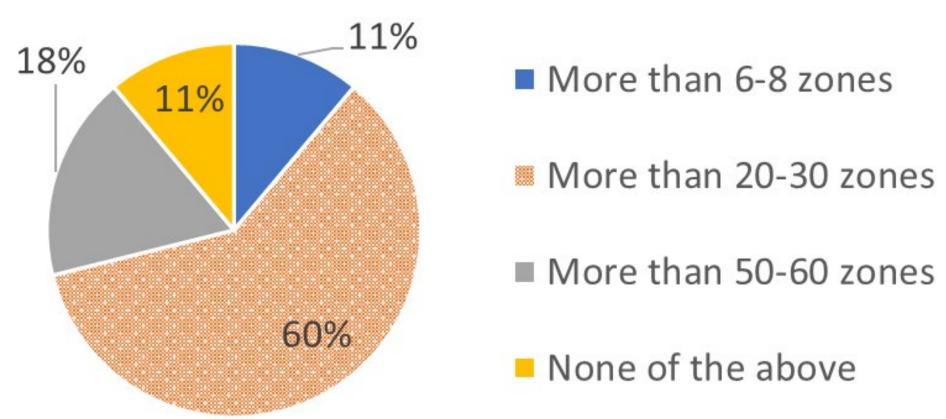
prefer online classes in



# Which of the following are reasons for failure of a two-wire system?



## When does a two-wire system become more profitable than a multi-wire system?

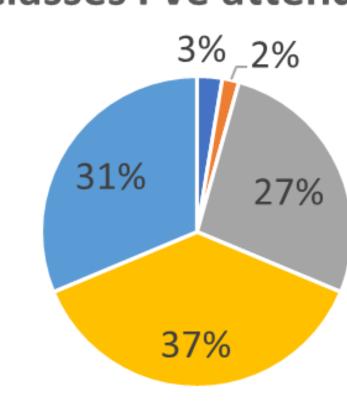


# ■ More than 6-8 zones

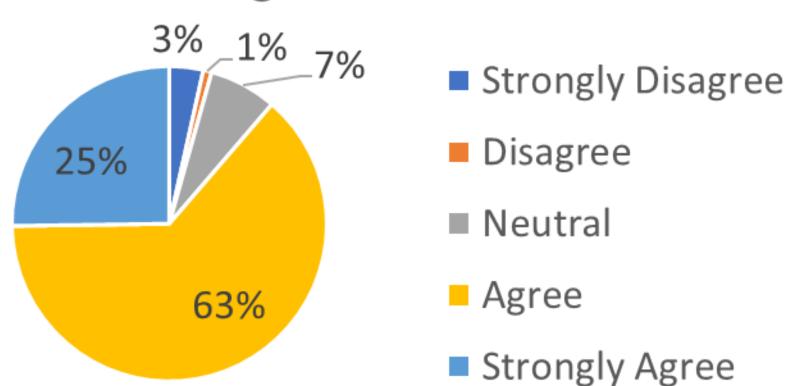
■ More than 50-60 zones

None of the above

## The class was an improvement to previous classes I've attended



# **Educational content was** interesting and informative



#### CONCLUSION

The contractors, totaling a third of those holding licenses, responded positively for being interesting and informative (89%), teleconferencing suitability (90%), audiovisual suitability (89%), maintained or improved from previous classes (69%) and preference for future virtual classes (80%).

The correct answer for each technical question was selected by most contractors (60%-93% correct response rate). Ideally, knowledge would directly translate to water, energy, and labor savings for all.

#### **ACKNOWLEDGEMENTS**

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