

*Our reputation has been forged through the hard work of a talented team of science, engineering and water experts who continue to invest their efforts on cutting-edge research initiatives.*



TREATING WATER. **BETTER.**

## RESEARCH & DEVELOPMENT

Silver Bullet Water Treatment is a leading customized water management, service and knowledge provider for the Livestock Drinking Water industry.

### 2020-21 LIVESTOCK DRINKING WATER R&D FOCUS

#### **REMOTE SYSTEM MONITORING (IoT):**

Expand current automation capabilities to include cloud-based remote viewing and control of integrated water treatment systems.

#### **EXPANDED TREATMENT PORTFOLIO:**

Optimize and expand Silver Bullet's offering of integrated skid-based water treatment systems to meet the demand of varied water management challenges.



#### **SMART TECH FOR MICROBIAL CONTROL AND WATER**

**CONDITIONING:** Develop new SMART and IoT technologies to more effectively reduce harmful bacteria, algae and biosolids; improve the taste and odor of the water; and oxidize and aid in the removal of nuisance metals (e.g. Fe, Mn).

#### **PATHOGEN REMEDIATION:**

Continue to leverage optimized treatment solutions, "forensic-style" outbreak investigations and analytical services to provide effective pathogen control and remediation options.

**INTEGRATED WATER TREATMENT OPTIMIZATION:** Work with strategic partners to develop integrated treatment solutions for animal hydration systems.

#### **AUTOMATED pH MONITORING AND DOSING:**

Control systems that keep water pH at the optimal range to maximize livestock performance, dissolve lime scale accumulation and improve biologic control.

#### **EXPANDED ANALYTICAL SERVICES:**

Through both in-house and strategic partnerships, expand analytical services to support both commercial end-users and analytical research projects.



# RESEARCH & DEVELOPMENT LIVESTOCK DRINKING WATER DIVISION

### CONTACT SILVER BULLET!

Engage with us to experience first-hand how our expertise, engineering advantage, custom designed solutions, state-of-the-art technologies, and attention to YOU, allows Silver Bullet to **TREAT WATER. BETTER.**





## COLLABORATION WITH COMMERCIAL & ACADEMIC PARTNERS

Along with in-house R&D projects, Silver Bullet has conducted valuable livestock drinking water research initiatives through collaboration with respected academic institutions and commercial partners.

Silver Bullet collaborative relationships reinforce the respective technical backgrounds of the company and research partners to support corporate initiatives and the next generation of livestock producers and animal science professionals.



TREATING WATER. BETTER.™

# RESEARCH & DEVELOPMENT LIVESTOCK DRINKING WATER DIVISION

## PREVIOUS SILVER BULLET WATER TREATMENT R&D INITIATIVES



**WATER TASTE AND ODOR:** The Silver Bullet team investigated many water treatment processes to improve livestock drinking water taste and odor without introducing toxicity, impacting animal medicinal compatibility or compromising hydration system effectiveness.

**AUTOMATED SMART DOSING, MONITORING & CONTROLS:** Silver Bullet expanded technical offerings of automated dosing, monitoring and control systems - both as a standalone system or integrated into existing farm management platforms.

**OPTIMIZATION OF ALGAE AND BIOFILM CONTROL & REMEDIATION:** Focused on benchtop research studies to determine optimal treatment applications for algae control and remediation, our research provided several successful remediation and preventative control treatment systems for clients who had historically struggled with biofilm and slime issues.

### LEARN MORE:

For more information or to get started with how we can help to improve your water, email us at [info@silverbulletcorp.com](mailto:info@silverbulletcorp.com) or call us at (303) 552-2383. Find us online at: [www.silverbulletcorp.com](http://www.silverbulletcorp.com).

