

# Vest Designed For Heat Stroke Response

As rising temperatures become increasingly common, the risk of heat stroke is a concern for those working outdoors, as well as for individuals attending concerts, spending days at the beach, or participating in athletic activities. In these settings, timely intervention is critical because every second counts when heat stroke occurs and can mean the difference between life and death.

ColdVentures' ColdVest offers a unique solution to the challenges of rapid body cooling, without relying on ice or refrigeration.

"In severe heat emergencies, effective treatment must be given within approximately 30 min. before the situation becomes fatal," says ColdVentures CEO Tracey Wagman.

At the heart of the ColdVest is a patented, non-toxic endothermic chemical reaction that provides rapid core-body cooling. This pioneering technology ensures the product is safe and effective in urgent situations.

A key feature of the vest is its practicality. It's delivered in a vacuum-sealed pouch and has a shelf life of up to three years if the packaging remains intact. When a heat emergency occurs, simply unseal it and fill it with any available water.

"It doesn't even need to be cold or fresh water," Wagman says. "It can be from a tap, river, pool or even a swamp. Typically, a water source is available, so fill it and shake. It's ready for use at any job site within 2 min."

The vest requires no electricity, ice or refrigeration and is simply placed over the victim's torso.

The ColdVest has been tested at the Korey Stringer Institute, demonstrating an impressive cooling rate of 0.18 C (0.324 F) per minute. This means it can safely reduce core



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body temperature from dangerous levels to safe levels in approximately 10 min.

Cooling effects last for up to an hour. Designed for one-time use, the vest fits all body sizes, regardless of body mass index.

ColdVest's versatility makes it invaluable in remote locations and in settings with limited resources. Its ease of use means anyone can use it.

"It's already found an eager uptake in agricultural settings where field conditions often pose logistical challenges for traditional cooling methods," Wagman says.

Available through direct sales and a network of distributors across North America, the ColdVest is competitively priced at approximately \$550 plus S&H, with volume discounts available.

Contact: FARM SHOW Followup, ColdVest (info@coldvest.com; www.coldvest.com).

# Tree Saw Makes Land Clearing Easy

The Marshall Tree Saw Model 1600 skid steer attachment is engineered for efficiency and versatility, making land clearing easier than ever. Compatible with both high and low-flow machines, from 16 to 40 gpm, this attachment features a tough, AR 400 ballistic-grade blade that eliminates the need for sharpening or tip replacements. Its unique design includes extended stabilizer teeth for initial penetration and a large 32-in. dia. blade that methodically slices through trees.

"You might think it'll take a long time to cut because it's slow turning, but that's not true," says Marketing and Sales Department Head Piper Reynolds. "One cycle is 16 in. in diameter, and it's completed in only 6 seconds."

Universal mounting attachments ensure the attachment fits any skid steer.

The Marshall Tree Saw handles both hardwood and softwood trees with diameters from 2 in. to 48 in.

"It's so strong and rugged, even if you have a steel T post in your fence and there's a tree growing beside it, it'll cut through both at the same time," Reynolds says.

The saw cuts flush to the ground or with the blade buried in dirt, gravel or rocks without throwing debris, thanks to its relatively slow spin speed. It also cuts up to 16 ft. above the ground. Two central 24-in. stroke hydraulic cylinders deliver 80,000 lbs. of torque, enabling safe, controlled cuts, even on the toughest trees, while a heavy-duty chain drive delivers unmatched strength and precision.

A standout feature is the dual herbicide pipes on either side of the saw, allowing users to spray while cutting.

Options include a sprayer tank that connects to a skid-steer power source and a brush guard designed to provide added protection for cylinders and hoses during pushing, piling or felling trees.

The Marshall Tree Saw doesn't just cut; it also moves felled trees.



**Tree Saw handles both hardwood and softwood trees with diameters ranging from 2 in. to 48 in.**

"Simply stab into the tree with the stabilizer teeth, rotate the blade to grab it, and suck it into the pocket," Reynolds explains. "Then you can stack and clean up what you've just cut. And to release the tree, just rotate the bidirectional blade in the opposite direction."

Manufactured in Tulsa, Okla., and sold worldwide, this unique tool is popular with farmers, ranchers, municipalities, conservation departments, outdoor enthusiasts and others.

Priced at \$24,800 (subject to material costs), the company offers delivery, setup and hands-on training.

The Marshall Tree Saw's powerful, low-maintenance blade can last 2 to 20 years, depending on usage and terrain. Replacement parts are available as well.

Contact: FARM SHOW Followup, Marshall Tree Saw, Piper Reynolds, P.O. Box 702643 Tulsa, Okla. 74170 (ph 918-209-5805; piper@marshalltreesaw.com; www.marshalltreesaw.com).



**The core of the system is the Sectional Recirculation Valve, which directs product through each boom and returns it through a polyethylene-lined return line.**

# No More Spray Boom Dead Spots

Racetrack Recirculation System from Latitude-Ag prevents dead-end delays and inconsistent startup application by maintaining continuous recirculation within each spray boom section. It keeps boom sections consistently primed with fresh product. Boom ends are replaced with 180-degree sweeps, reducing chemical settling and improving mixture uniformity. Flush valves are removed, making cleanout safer and faster.

"With Racetrack Recirculation, nothing goes back to the tank," says Kurt Kamin, Latitude-Ag. "Each section of the boom works independently, recirculating the solution in that section. This continually mixes the chemicals, creates a more uniform spray, and reduces misapplication in the field."

The core of the system is the Sectional Recirculation Valve, which directs product through each boom and returns it through a polyethylene-lined return line. Sweeps at the

boom ends complete the circuit.

Section kits (one per boom section) include a Racetrack section valve with an integrated eductor, recirculation sweeps, a return hose (from both end caps to the main valve), and tubing conversion components to adapt existing boom plumbing to the Racetrack 180-degree sweep return system. Kits also include gaskets, sealing materials, hose clamps, flange clamps and thread-sealing materials.

"Our kits include all the hardware needed; no additional sourcing is required," says Kamin.

The Racetrack Recirculation System costs \$790 per section. Matching the system color to the sprayer brand costs an additional \$30 per section.

Contact: FARM SHOW Followup, Latitude-Ag, P.O. Box 102, Deadwood, S.D. 57732 (ph 605-549-2151; info@latitude-ag.com; www.latitude-ag.com).

# Dust Helmets Keep Farmers Safe

Dust helmets from Kasco Srl have protected farmers and other workers for nearly 50 years. The Italian company makes personal protective equipment, including air-purifying respirators with face masks and helmets.

The NIOSH-approved respirators have been big sellers for The St. George Company. The company now represents a wide range of brands and equipment models, from mowers and mulchers to rock crushers and hotheose equipment. Still, the respirators are literally the reason the company exists.

"My father was looking for a respirator to use in our orchard in the 80s when he discovered Kasco," says Nick Quail of St. George Company. "He ordered one, and when our neighbors saw it, they wanted one too. We then became full-time dealers for Kasco, covering everything from mining to medical, in addition to agriculture."

The St. George Company sells Kasco respirators designed to protect against infectious diseases, crop-protection chemicals and dusty conditions. They offer multiple models suitable for orchard and greenhouse spraying, grain handling and livestock facilities. Quail notes that the Kasco Prof 88 is his best-selling model for grain, poultry and almost any ag-related dust.

"It's made with a battery in front and twin motors for fans and filters at the back," says Quail. "This make and model has been a long-lasting product. People have used them for 20 years."

The Prof 88 can operate for 4 hr. on a single charge or run continuously using a 12-volt cigarette lighter socket cord. The internal batteries can be recharged with an NC-9



**Prof 88 can run for 4 hr. on a single charge or continuously using a 12-volt cigarette lighter socket cord. Internal batteries can be recharged using an NC-9 charger or a lighter socket cord.**

charger or a lighter socket cord.

The flip-up visor provides a wide field of view, and when in position, the helmet fully protects the head, face, ears and neck from particles and gases. Air filtered through ZP3 HEPA filters is delivered by the blower inside a breathing tube to the interior of the helmet. The slight overpressure prevents dust or gas from entering and also stops visor misting, while making breathing easier.

The St. George Company carries spare parts for the dust helmet, including filters, batteries and visors. The complete respirator weighs just over 8 1/2 lbs. Contact the company for the nearest Canadian and U.S. dealers and for pricing.

Contact: FARM SHOW Followup, The St. George Company, P.O. Box 430, Paris, Ontario, Canada N3L 3T5 (ph 519-442-2046 or 800-461-4299; sales@thestgeorgeco.com; www.thestgeorgeco.com).