

# PRODUCTS

## New fertilizer more organically based

Humax Corporation has developed an organically-based line of fertilizers for lawns, gardens, golf courses, parks and other settings.

Humax, based in Salt Lake City, Utah, uses a patented colloidal process that efficiently uses nitrogen, phosphate and potassium and combines these nutrients with organic material present in the soil.

The firm says nutrient leaching is

lessened and a reactor process breaks down organic waste within a matter of minutes into humic acid. The company says plant root systems' feeding capacity is increased through use of the fertilizer.

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## Spreader carrier simplifies portal to portal transport

External Spreader Carriers of Little

Rock, Ark., has designed a spreader carrier to fit most common broadcast type equipment.

The carrier, developed to avoid interior fertilizer spills from spreaders while in transport, comes with two adapters to accommodate LESCO, Spyker and Ev-N-Spred models and other popular designs. The device is affixed to the rear bumper of the service vehicle. It is easily installed and more than 200 pounds. The unit weighs 21 pounds.



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## Ornamental herbicide controls grass growth

BASF Corporation announced registration with the EPA of Vantage, a new herbicide for control of annual and perennial grasses in nurseries, ornamentals, ground covers, Christmas trees and general indoor and outdoor sites.



Vantage can be used on control of seedling johnsongrass, smooth crabgrass, seedling tall fescue and goosegrass as well as perennials as bermudagrass, rhizome johnsongrass and quackgrass.

A California label for Vantage is pending.

Vantage enters the grass through foilage. Growth slows and stops

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# B20: SPACE SAVING STAMINA



Kubota's first-of-a-kind B-20 diesel tractor may surprise you. Imagine the power and performance of a Tractor/Loader/Backhoe with the versatility to maneuver in small spaces!

The B-20 is powered by a Kubota 20 HP liquid-cooled diesel engine. Hydrostatic transmission, integral power steering, and standard 4WD make the B-20 easy to move around a job site. The quick attach backhoe is driven hydraulically and includes an automatic return-to-dig mechanism.

The durable B-20 meets the needs of building contractors, landscapers and others who perform loader, backhoe and light construction work. This compact Kubota will give you full size performance.

For more information, write to Kubota Tractor Corporation, P.O. Box 7020, Compton, California 90224-7020.



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within two days, the company says, and the plant reddens, its leaf tips burn and burn back of the foliage follows.

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### Adjustable arc sprinkler to cover lots of space

The I-40-ADS arc sprinkler by Hunter Industries is now available in two models.

The units may be set between 40 and 360 degrees while water is on or off. Model I-40-36S is also available for



areas requiring a fixed 360 degree full circle. Both models come with five interchangeable nozzles which vary both radius and discharge rates. Discharge rates range from 7 to 25.3 gallons per minute and the radius may be varied from 45 to 67 feet.

Other features include safety-cushioned rubber covers and stainless steel risers. A 1 5/8 exposed diameter surface is equipped with a heavy-duty retraction spring. Standard is a drain check valve which checks up to a 15 foot change in elevation. Both models come with a five-year, over-the-counter warranty.

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### Gear drive enhances transmission life

A "lo-torq" drive system offered by Exmark Manufacturing Co. promises to lengthen transmission life on the company's 5-speed mowers.

The gear drive can simplify maintenance and reduce downtime, the company says. Exmark's 5-speed line of mowers also come equipped with a posi-track pulley system and double idlers on wheel drive belts.

Exmark says these features provide for maximum maneuverability and prevent downhill runaway.

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### Safety feature offered for Ransomes middles

Ransomes Inc. announced recently that all Bob-Cat mid-size mowers

manufactured before 1989 may be equipped with operator present controls.

The control stops the engine if the mower's blade has been engaged and the operator releases grip on the handle.

Installation of the control is offered at a special price to Bob-Cat owners. Details on conversions are available at authorized Ransomes/Bob-Cat dealers.

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## New herbicide controls bahiagrass as it sprouts

O.M. Scott & Sons Co. has released DMC Weed Control to combat bahiagrass growth in bermudagrass areas.

DMC also fights foxtail and more than 25 broadleaf weeds, including



chickweed, henbit, dandelion, wild garlic, white clover and plantain.

The granular herbicide is applied as a foliar spray and the company can provide application timing a rate flexibility.

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## Three patents granted for plant disease detection

Agri-Diagnostics Associates has been granted three patents for monoclonal antibodies that detect plant diseases.

The inventions can detect Pythiaceae, including several phytophthora and pythium diseases, *Sclerotinia homoeocarpa*, related to dollar spot disease and rhizoctonia, causative agent of diseases on turf and other crops.

The antibodies are being used to develop rapid and low cost tests for

diseases in soil and plant tissues. The firm has already marketed REVEAL tissue testings kits used in fungal diseases in turf. Also a soil test for Phytophthora root rot in soybeans is available. In development are soil and tissue Phytophthora tests for apples, peaches, tomatoes, peppers, citrus, avocado and berry crops. Phytophthora, pythium and rhizoctonia development tests are underway in nursery and greenhouse crops and rhizoctonia in rice and cotton.

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## Bermudagrass seed is available in spring

Cheyenne "turf type" Bermudagrass from Pennington Seed will be available in good quantity, the company announced. Production fields at Pennington's affiliate Cactus Seed Company near Roll, Arizona, has delivered the seed as expected. But Pennington vice president Ronnie Stapp says supplies could be somewhat tight due to an expected strong demand.

The firm expects to increase production acreage to meet new demand, he says.

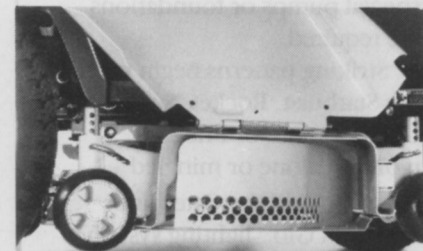
Cheyenne is compact, dark green and has excellent cold tolerance. The Bermudagrass is easily established from seed.

**Circle No. 198 on Reader Inquiry Card**

## Leaf mulch kit offered as mower attachment

John Deere Co. is offering an easy-to-install leaf mulcher kit which is affixed to a mower discharge opening.

The kit holds dry leaves in the mowing chamber as the blades reduce them to tiny particles which escape



into the turf.

The attachment can be installed into John Deere commercial mowers such as the 48-inch and 54-inch walk-behind models and front mower models F710 and F725.

Leaf debris won't add to thatch build up, according to the company, because leaves are chopped into fine

pieces and break down quickly in the soil.

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## Hydraulic four-wheeler new in Jacobsen line

The Jacobsen Division of Textron's latest addition to Turfcat is the hydraulic four-wheel drive Turfcat T422D.



Each Turfcat can be equipped with a variety of attachments including front-mounted rotary mowing decks, or with fine-cut flail that eliminates grass clipping collection. Snow throwing, straight blade, rotary brush and blower attachments are also available.

**Circle No. 200 on Reader Inquiry Card**

## Mixer/shredder pulverizes, blends, screens material

Murphy's Growing Mixer of Oklahoma City, Ok., has made available a compost mixer that operates at a rate of 100 cubic yards per hour.

The mixer utilizes top soil, sand, compost, manures, peat moss, fine



wood chips and agricultural gypsum.

The company says the Growing Mixer turns out a finely particled product, perfected to enhance business.

Fluffing process increases finished product volume by 20 percent.

The mixer is 17 feet in length. Maximum height ranges between 8 and 9 feet. The unit weighs 8,800 pounds, and has a 45 gallon fuel capacity.

Available with electric motor or 100 hp diesel engine. Fluffing process increases finished product volume by 20 percent.

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