

PRODUCT SHOWCASE

New mower engine first CARB certified

American Honda's new GX120 general purpose engine became the first gasoline engine certified to meet the nation's toughest emission standard—the 1994 California Air Resources Board (CARB) emissions standards for small engines. American Honda plans to convert all other engine models to CARB-approved models by Jan. 1, 1994.

The GX120, a 4 hp overhead-valve horizontal-shaft lightweight engine, received approval of compliance from CARB almost one year before the effective date of the standard. The GX120 is used in edgers, pumps, small construction equipment and reel-type lawn mowers.

Honda professional mowers come equipped with

American Honda engines.

American Honda also recently introduced its new line of OHV horizontal-shaft V-twin engines. The 18 hp model is available in recoil and electric start while the 20 hp is available in electric start only. Options include Oil Alert, control box, high mount and side mount mufflers and various shaft sizes. All meet the CARB

standards. The V-twin line joins the GX (horizontal shaft) and GXV (vertical shaft) series engines. All three lines offer:

- overhead valve engine design on 4-hp and above
- chrome top piston ring
- vibration-reducing counter balancers on 8 hp to 13 hp engines
- electronic ignition

- dual element air cleaner on 4 hp and above

Optional engine features include:

- Oil Alert low oil warning system
- electric start
- 3 to 20 amp charging capable
- spark arrestor

**Circle No. 191
on Reader Inquiry Card**



PRODUCT REVIEW

Winter-hardy buffalograss requires little moisture

Bison buffalograss was cooperatively developed and released by Oklahoma State University and the USDA's Agricultural Research Station.

Johnston Seed Company of Enid, Okla., retains the production and marketing rights.

Bison is a synthetic variety, derived from the male and female parents of the "Mesa" variety plus a superior plant of each sex, selected from a Syn-1 generation planting of the Txoka variety.

The outstanding feature of Bison is that it is adapted to dry climates and is very winter-hardy, which allows it to be grown in the most northern regions, where buffalograss can be grown.

Bison is a sod-forming grass, dark green and fine textured. It spreads by both seed and stolon.

Bison is recommended for use on commercial and residential sites, athletic fields, golf courses, and locations requiring

erosion control.

Bison is a semi-arid grass adapted to survive under very low rainfall. It requires both sunlight and well-drained soil, and does not do well in areas with shade or excessive moisture. It grows best on heavy soil types rather than sandy soils, with a pH range from 6.0 to 8.0.

Bison buffalograss is an attractive and ecologically sensitive lawn grass requiring less fertilizing, watering and mowing, therefore aiding in water conservation and creating fewer clippings for disposal.

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Conduct disease detection, diagnosis on the site

Neogen Corporation announce that it has completed the acquisition of the Alert and Reveal plant diagnostic tests kits from Agri-Diagnostics Associates.

The on-site plant disease detection test kits are rapid testing tools that allow users to conduct highly accurate disease detection and diagnosis without needing an

equipped plant pathology laboratory.

The tests are based on immunoassay methods in which antibodies have been



developed to recognize specific plant pathogens. By reading a color change, the user can determine if the pathogen is present and semi-quantitate the pathogen load.

The Alert test kits are available for detection of pythium, phytophthora, rhizoctonia and xanthomonas.

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PRODUCT REVIEW

Fire ants get doused with insecticide, use in bait form

American Cyanamid markets Amdro fire ant insecticide for use against fire ants, harvester ants and big-headed ants.

The common name is hydramethylox, and it is formulated as a bait on a corn grit carrier with soy oil attractant.

Worker ants find the bait, carry it back to the mound and pass to other workers and the queen.

The poison acts slow enough so as not to kill ants before they return to the colony.

Typical control occurs in several days to several weeks.

Broadcast application for wide area suppression or ant mound treatment for individual colonies.

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Engine treatments protect, thanks to better lubrication

Petrolon markets Slick 50 products, engine treatments for both air- and water-cooled two-cycle engines.

The main benefit of these products is improved lubricity, meaning greater protection against engine scuffing and seizure.

According to Petrolon, tests have shown that there is a reduction in operating temperatures following treatment with Slick 50, and many users report increases in power output.

The Slick 50 two-cycle products are formulated zinc-free, specifically for two-cycle engines.

Petrolon recommends that two-cycle engines be treated every 2000 miles or 50 hours.

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Broad spectrum granular labeled for industrial sites

American Cyanamid's Vegetation and Pest Control Department recently began to market its new TopSite 2.5G herbicide for use in a variety of industrial markets.

TopSite 2.5G is a broad spectrum, easy-to-use granular herbicide that controls many annual and perennial broadleaf



weeds and grasses. It is labeled for more than 100 plant species, including:

- johnsongrass;
- bermudagrass;
- foxtail; and
- quackgrass.

It may be used on a wide variety of sites, including electric utility substations, industrial facilities, railroad signal and light posts, equipment yards, petroleum and gas wellheads, and many other areas.

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New model pruner now has a much longer reach

Technic Tool has 2-1/2 and 5-ft. extensions for its new insulated Model D Power Pruner.

The extensions are easy to install and reduce the need for ladders or bucket trucks. Operators can prune branches as high as 22 ft. above, while staying away from falling limbs.

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SHOWCASE PRODUCT REVIEW



Turf Tender carries, spreads big load

T.I.P. Inc. introduces the Turf Tender, a multi-purpose, high-capacity unit to transport and unload high-density material such as sand, gravel, dry topsoil, fertilizer, etc.

Chores it can be used for include: spreading flowable mixes; filling top dressers (over 1800 lbs. of top dress in less than a minute); traps and trenches; spreading stone for cart paths; top dressing fairways, driving ranges, tees and athletic fields.

Circle No. 198 on Reader Inquiry Card

Tree irrigation system helps trees establish deep roots

Salco Products Inc. says its new subterranean tree irrigation system can be installed when a tree is planted or retrofitted to existing trees.

"Trees are often planted in turf areas," says Sam Tobey, company president, "and the grass is often grown directly to the tree trunk. Water allocations for turf are often not sufficient for the deep water requirements of most trees. Or, the opposite could be true with trees requiring less water than is being applied to the surrounding grass. Either way, the tree suffers."

Water is irrigated from a 6-inch length of 1/2-inch slotted PVC pipe. The slots are about 0.004 inch and located around the side of the pipe. This permits the water to easily flow to the root ball of the tree but restricts contamination from entering the drip irrigation system.

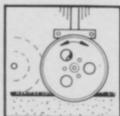
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TURFCO EDGE-R-RITE MULTI-PURPOSE TURF EDGER

Just like a small sod cutter, the Blade does not spin, the oscillating motion does not throw debris.

Self-propelled and push models available.

Rugged design for commercial use.



Disc Blade



V-Blade

Optional Blades:

◀ Disc Blade for cutting straight edge along sidewalks and driveways.

▶ Right Angle Blade for golf course sand traps, and flower beds.

◀ "V" Blade for removing a strip of turf along a sidewalk.



Right Angle Blade

Write or call
for detailed
literature

TURFCO

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Circle No. 106 on Reader Inquiry Card

More
information
on products
available by
circling the
numbers on

Reader
Inquiry Card

Sandoz's new biopesticide controls lepidoptera in turf

Sandoz Agro Inc. Turf & Ornamental's Steward biological insecticide provides cost-effective, consistent control of lepidoptera in turf without applicator toxicity problems.

With Steward, according to Sandoz Agro, operators do not have to undergo regular cholinesterase testing related to organophosphates. Steward is safe for all humans, pets, birds, bees and natural predator insects. Steward is a wettable granule that is easy to mix.

Its two modes of attack effectively eliminate a variety of worms, including armyworms, cutworms, sod webworms and several varieties of caterpillars and moths. Steward is ingested by the insect, and within one to three days kills the pest by breaking down into small, toxic protein units that adhere to the stomach lining, disintegrating the cells of the lining.

In addition, the pests are poisoned by bacterial spores that germinate and multiply in the gut area, before passing through the gut wall causing septicemia.

Steward, a wettable granule, provides control for up to four days after application.

Circle No. 200 on Reader Inquiry Card

PRODUCT REVIEW

Improved vehicle can pull, haul more than its weight

It's may be new to industry, but it's certainly not new to outdoorsmen. It's the Pug, a fully articulated 4x4 utility vehicle manufactured in Turtle Lake, Wis.

The first Pugs were made in a garage in the 1960s, and several thousand of them were gobbled up by sportsmen and workmen seeking a better way to take a load (or themselves) into rugged country. Pug is being reintroduced to the American "go-anywhere, work-anywhere" market.

Pug, made of molded fiberglass and

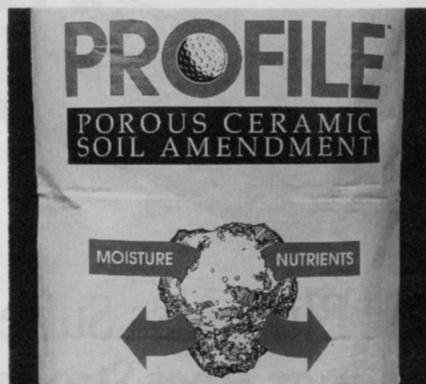


powered by Kohler's V2 20 hp air-cooled industrial engine, is about 10 feet long and weighs 1200 lbs. Pug's towing peak is 3000 pounds. With its four big 26x12x12 traction tires it can go just about anywhere. Its 100 percent automotive drive system has a standard auto clutch, 4-speed synchromesh transaxle, automotive drive line and Spicer differentials that is unique among utility vehicles.

Circle No. 201 on Reader Inquiry Card

Porous soil amendment aids compaction, helps turfgrass

Profile is a new porous ceramic soil amendment being offered by Illinois-based Aimcor. Profile is similar in shape to sand, and 99 percent of Profile particles fall within USGA Green Section recommenda-



tions for medium and coarse sands.

Profile's 74 percent pore space improves compacted and poorly draining turf areas.

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Petpro offers product to clean up after pets

Petpro Products, Inc., offers The Scoop Dispenser for parks, municipalities and common grounds.

The all-weather dispenser eliminates "pet pollution" in parks and recreation

areas. Each dispenser holds 100 Dispoz-A-Scoop biodegradable scoopers and comes with sign and hardware.

Circle No. 203 on Reader Inquiry Card

Check out these new seed offerings from O.M. Scotts

The Scotts Company Professional Business Group offers new turfgrass seed varieties:

Sonesta—The number-one seeded bermudagrass in the National Trials. Drought and heat resistant, Sonesta is water efficient, low growing and developed for high-traffic areas. It's also wear tolerant and recovers fast after damage.

Brigade Hard Fescue—Brigade is low-maintenance, and requires less mowing, fertilization and watering, and was highly ranked in National Fine Fescue Trials.

Aztec Tall Fescue—Aztec is an all-around cool-season turf. It grows well in sunny or shady areas. It has a dark green, color, low growth and fine texture.

Molinda Chewings Fescue—Drought and shade tolerant, Molinda has a medium green color, high density. It's an attractive turf with minimal nitrogen and irrigation needs, and is resistant to dollar spot, red thread, leaf spot, fusarium patch.

Achiever Perennial Ryegrass—Achiever has high rated quality, color, texture; a high level of endophytes and high level of resistance to dollar spot,

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