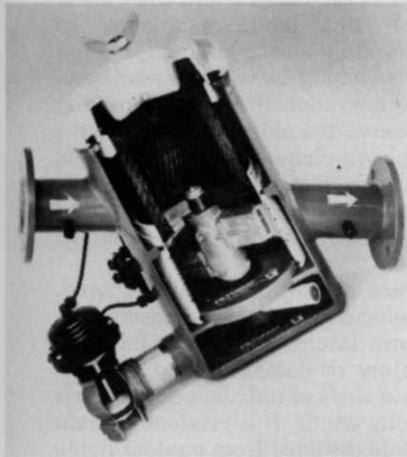


Products from page 89

Six **Filtomat filters**, offered by Global, range in inlet diameter from 3 to 12 inches and in flow rate from 110 to



2,630 gallons per minute. All operate at 30 to 150 psi and are self-cleaning.

Each model comprises a two-compartment filtering system. In the upper compartment, water passes through a perforated plastic cylinder that acts as a

*Continues on page 94*

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## Energy from page 21

conditioning." Because of the Venturi effect, as the funnel narrows, wind velocity increases, making the arrangement more effective. A large scoop that contracts in breadth can increase the velocity of prevailing winds that are light but steady and would otherwise be ineffectual. If the narrowest end of the funnel is covered by a breezeway or a tree with a high canopy, the effect improves. Also, since cooler winds flow downhill, dense evergreens planted on a slope may trap and hold cold air, creating cool spaces, upwind of the barrier.

Effective wind controls demand careful analysis of the direction and strength of the prevailing winds at different seasons.

To learn the direction of all air movements, tie strips of cloth on several posts, five or six feet tall. Anchor them securely at all compass points, plus any suspected odd wind pockets. Study the wind movements for at least several weeks each season and chart them. This information will guide landscaping plans. In more northern areas, wind patterns around buildings may also be traced by watching the way snow is deposited. Make your first observation after a fresh snow on a calm day. Later observe the shift in snow patterns when the wind has blown channels and paths. Note where the ground is bare, and where the snow has piled in drifts. A third method for determining wind patterns is to study smoke released from a chimney, campfire, or barbecue.

Before planting trees or shrubs to control wind, check whether your selected species can withstand the region's strongest storm forces. Trees may fall onto buildings, causing injury or damage. Keep all trees pruned. Deadwood and weak or unbalanced branches are vulnerable to strong winds. It is prudent to plant soft-wooded trees a safe distance from outdoor living areas and buildings if possible. Generally, the fast-growing trees such as pine (*Pinus* species) and larch (*Larix* species) have soft woods and are weaker. Silver maples (*Acer saccharinum*), poplars (*Populus* species), willows (*Salix* species), and black cottonwoods (*Populus trichocarpa*) are especially susceptible to breakage.

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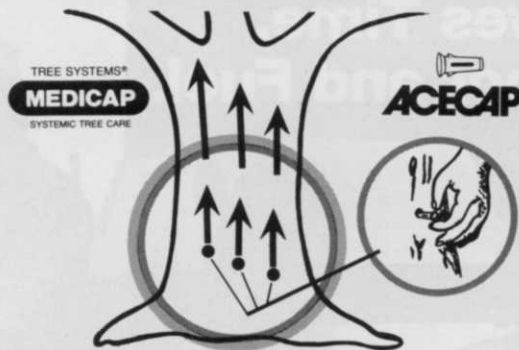
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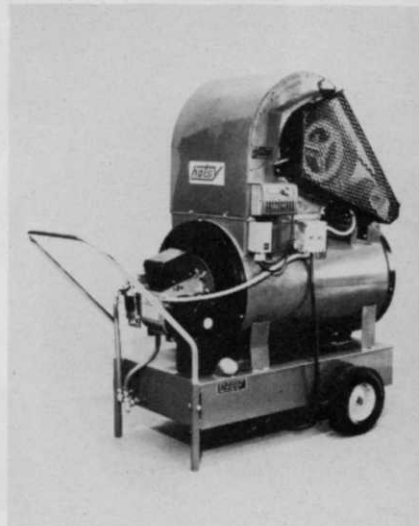
Call Dawn Anderson at 218-727-8511

### Products from page 91

coarse grid. In the lower one, a second cylinder, lined with a fine corrosion-resistant screen, can filter both sand and algae.

Write No. 704 on reader service card

**Portable space heater** model 230 from the Hotsy Corporation, circulates 2,500 cubic feet of heated air every minute. Wide-angle, squirrel-cage blower pro-



duces a warm atmosphere in subzero conditions. The model, which generates 230,000 BTUs, uses ordinary kerosene or home-heating fuel oil and plugs into 110-volt power outlets. UL approved, the space heater has burner and blower switches and an adjustable, automatic thermostat.

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**Bermuda grass planter** puts down roots, sprigs, rhizomes, or cuttings close to walls, curbs, and buildings. This Bermuda King model plants a 30-inch



Continues on page 96

# Perfect Partners

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**A new concept in slow release fertilizers to give you high performance at an economical cost.**

Now you can get all the performance of a slow release fertilizer at a cost lower than most other professional fertilizer products.

New IBDU/SCU<sup>™</sup>\* mixes combine three nitrogen sources—IBDU, Sulfur Coated Urea and Urea—to give your turf short, intermediate and long nitrogen release. This three-stage release results in a constant, even rate of turf feeding that lasts for up to 90 days.

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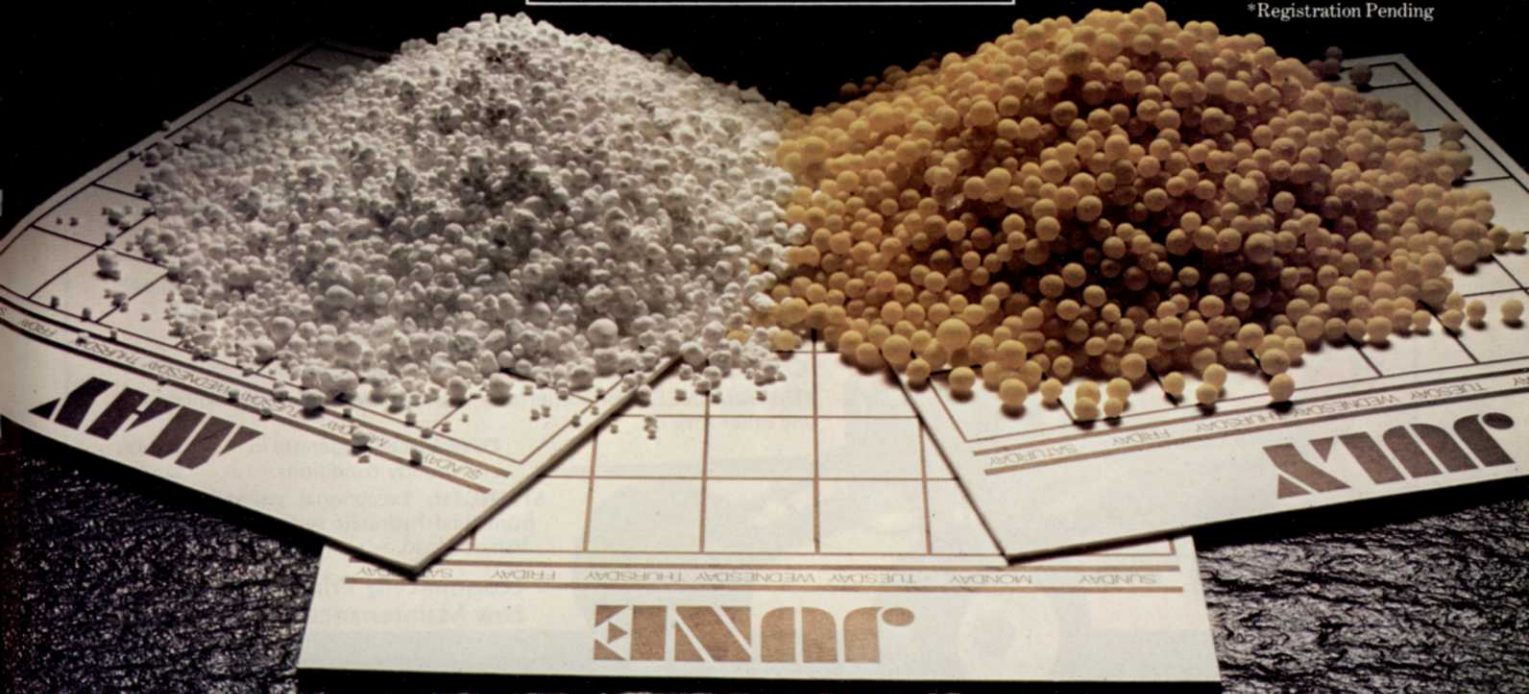


before available in a single fertilizer. It gives your turf all the benefits of IBDU, the highest performance slow release nitrogen available, with the proven benefits of a high quality prilled Sulfur Coated Urea. Plus, there's water soluble urea to get your turf off to a fast, green start. IBDU/SCU fertilizers are available in a variety of complete mixes, custom formulated to regional turf requirements.

See your local distributor or PAR EX representative about the new IBDU/SCU fertilizer mixes. They just might be the perfect partner for your fertilizer budget.

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wide swath and packs plantings firmly in one operation. The machine will also feed, separate, and plant sod. It is compact, maneuverable, and easily trailered from job to job.

Write No. 706 on reader service card

**Soil Conservur** from Bush Hog prepares seedbeds with a combination of disc blades, field cultivator shanks, and spike mulcher teeth. By applying and mixing chemicals in one pass, it eliminates two or more trips over the field. Available in two rigid and three wing



models, the machine includes a flip-over hitch with a clevis on one end and a pintle hitch on the other; hand ratchet level adjustment; two spring cushioned front disc gangs set at a 10-degree angle; and 18-inch disc blades with 7½-inch spacing.

A 40-inch space between disc blades and field cultivator shanks allows flexibility in applying chemicals. No dirt shields are required. Shanks mix chemicals with soil and are equipped with a shank holder for ease of assembly, lighter weight, and durability.

Write No. 707 on reader service card

**The digital Shigometer**, supplied by the Osmose Wood Preserving Company of America, provides an accurate means of detecting discoloration and decay in trees. With a little training, personnel can quickly determine the exact amount of decay present. In addition, trees can be rapidly indexed for growth rate.

The instrument works by measuring the resistance of wood to a pulsed electric current. As wood decays, its electrical resistance decreases so when the



probe's tip contacts decayed wood, readings change dramatically. The Shigometer weighs less than two pounds, making it convenient for checking remote timber stands.

Write No. 708 on reader service card

Continues on page 98

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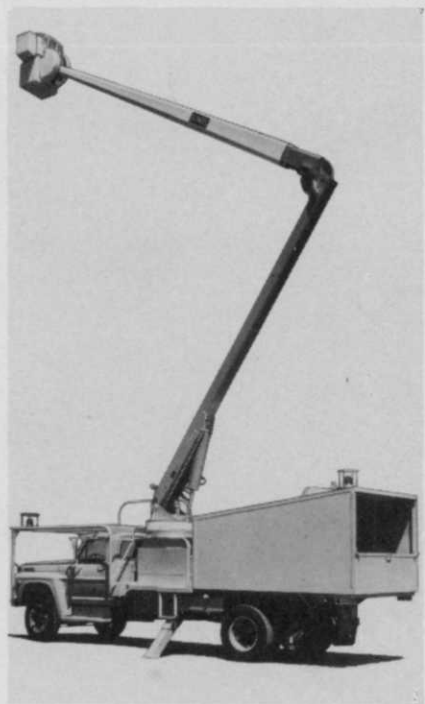
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Street Address

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**Write No. 710 on reader service card**

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**Mon. A.M.**



**Mon. P.M.**





and hourmeter; fuel, ammeter, oil pressure, and engine temperature gauges; and safety starter switch.

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Continues on page 102

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