

BSC IN HORTICULTURE LAUNCHED

Writtle Agricultural College, in association with Hatfield Polytechnic now provides a BSc in Horticulture (Amenity or Commercial) — the first such degree to be offered by a United Kingdom College.

The four year sandwich course has been specifically designed to provide a combination of knowledge, skills and expertise not otherwise readily available to the horticultural industry. This follows the 1984 Trans-Binary Report and calls from industry for a new initiative in public sector horticulture for the provision of a degree level training suited to the current needs of the market.

The BSc Horticulture bridges the gap, both in academic and practical experience between BTEC HND schemes and contemporary university degrees. Writtle already offers the only HND in Commercial Production Horticulture and one of only two HND courses in Amenity Horticulture.

The aim of the degree is to provide graduates with management skills suited for either

amenity areas such as parks, gardens, landscape features, conservation and recreational facilities or for intensive plant production in areas such as nurseries, glasshouses, vegetable units and fruit farms. Students will be more employable with less need for instruction on practical matters from employers.

Equally, the stronger science element of the commercial option will provide the basis for graduates to gain employment in analytical laboratories. Both the amenity and commercial courses also offer a route to a teaching career.

A unique feature of the programme is that the core studies include one complete skills course in each of the three in-College years. This element is absent from existing alternative degree courses.

The first and final year will be at Writtle with the second year at Hatfield Polytechnic. The sandwich period in industry covers year three.

Those opting for Amenity Horticulture will study applied ecology, landscape studies, planning, recreation and conservation management.

The Commercial Horticulture option encompasses crop science, production and labour, biotechnology, mechanisation, buildings, environmental control and crop storage and packaging.

The existing facilities for practical horticulture, science, machinery, library and management are outstanding, with the College boasting one of the largest computer centres of any agricultural college.

Commenting, Mr. Lance Sanderson, Head of Horticulture at Writtle, said: "This exciting new degree fulfils the requirement of industry for graduates with a balanced academic and practical education. As such, it will provide the Amenity and Commercial managers of the future — fully versed in the requirements of their profession".

For further information contact: Pam Wright, Student Services, Writtle Agricultural College, Chelmsford, Essex, CM1 3RR. Tel: 0245 420705.

This course has full approval.

NEW SOUTH COURSE AT WENTWORTH

GOLF LANDSCAPES LTD., of Brentwood, Essex have been awarded the contract for the construction of the new South Course at Wentworth.

Work is already underway with the latest developments and techniques in golf course construction being used. Planned completion is in October of this year.

The terrain is similar to that of the East and West courses and when complete, the new South Course will certainly be of equal stature.

Supervision of the contract will be the responsibility of Martin Gillett, one of **GOLF LANDSCAPES LTD.**, specialist Contract Managers, with liaison with the Company's two Directors Peter and Bob Dunning.

Peter Dunning said "We are delighted to have been awarded the South Course Contract. As one of the leading golf course builders in Britain we are proud that the Wentworth Club chose **GOLF LANDSCAPES LTD.**, to undertake the construction of such a prestigious golf course."

GOLF COURSE DECORUM THE 'Schwepping' WAY TO GOOD GOLF

A new 16 page glossy pocket book entitled "Good Golf — Etiquette & Decorum has been published under the sponsorship of Cadbury Schweppes plc.

There are nine pages of text and seven cartoons with a front and back cover depicting the Belfry Hotel with an asking price of £1.75!

As advocates of better behaviour on the golf course (see last month's Greenside Comment) we would certainly approve of any publication calculated to improve standards, but this is hardly value for money and it is difficult to see how the sponsors

intend to obtain a wide distribution at this price.

Most of the etiquette advice is commonsense and already widely known among all golfers other than complete beginners. It is the more obscure questions of conduct that should have been included such as the practise of taking the ball out of the hole with the face of the putter and standing away from the hole when attending the flag.

Slow play merits a special page in a publication of this type, a principal aggravation creeping into the game. A mere 60 seconds lost by each player in a

fourball at each of the eighteen holes can delay a round of golf for those behind by an hour and a quarter.

Lining up putts, dropping bags yards from the ball to be played, marking cards on the green rather than the next tee, pacing out distances, stopping for refreshments and holding post mortems are but some of the delaying tactics that can spoil a game of golf for others on the course. The booklet mentions a few of these bad habits but loses the opportunity to give some sound advice in this direction.

... Editor

ISEKI U.K. LAUNCHES COREMASTER NEW TURF AERATION SYSTEM COMES TO BRITAIN

Iseki U.K. are now distributing the well proven Coremaster Turf Aeration System in Great Britain. This well established machine is already a favourite with Greenkeepers and Groundstaff in America and the Antipodes, and now comes to Britain with its reputation for both productivity and all round versatility.

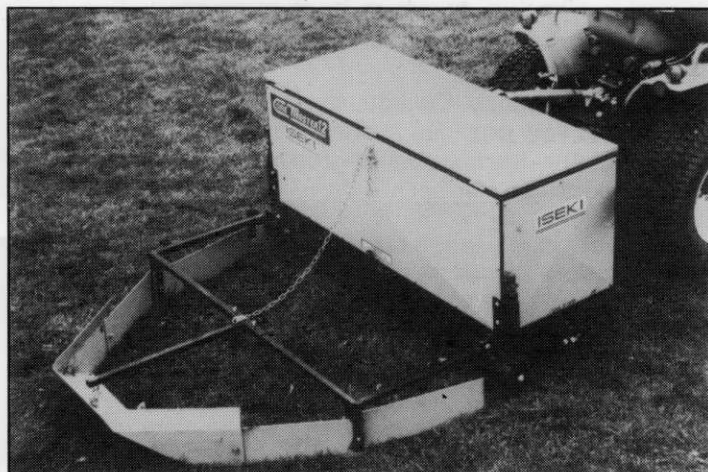
Coremaster in itself is a revolution in turf aeration because it not only improves coring productivity, but also has the ability to work with several different core patterns, so the greenkeeper can choose the pattern required for each individual area. From a close pattern for renovating problem areas with the cores two

inches apart to spread patterns for large areas like tees and fairways, six inches apart.

Depth controls operated by a simple crankhandle at the rear of the machine, gives variable depths between zero and four inches. Coremaster also offers a full range of tine sizes.

Trials undertaken by Iseki in Great Britain indicate that all 18 greens can now be aerated in under a day.

For further details on the Coremaster range contact Colin Gregory at Coremaster Department, Iseki U.K. on 0480 218100.



The Coremaster Hollow Tining Machine, now available in Britain, brings new workrates and productivity to coring greens, tees or parkland.

RESTRICTION CHANGE FOR HERBICIDES

The Ministry of Agriculture has announced, following the recommendations of the Advisory Committee on Pesticides to Ministers, a series of restrictions on the way in which herbicides containing ioxynil and bromoxynil may be used.

The changed conditions of approval are intended to reduce the potential of exposure to spray operators who do not wear appropriate clothing, to reduce the risk of residues in food and to warn of dangers to fish.

In the professional amenity area the key change relates to use in hand-held and knapsack sprayers. This is now prohibited, although use through powered sprayers is permitted, the minimum dilution rates stated on labels must be adhered to.

May & Baker Environmental Products are issuing labels to all their main distributors so that these can be placed on existing stocks of Iotox and Actrilawn 10.

"May & Baker are fully commit-

ted to ensuring that the Minister's instructions are carried out," says John Arthur, Business Manager of Environmental Products.

"We are currently carrying out trials as a result of which we hope that these restrictions may be raised".

Ioxynil and Bromoxynil belong to the chemical family called the hydroxybenzotriazoles (HBN's).

Products containing HBN's are particularly used on newly sown turf and in re-seeded areas where their ability to control speedwells and chickweed is exceptionally good.

Iotox and Actrilawn 10 are trademarks of May & Baker Ltd.

NEW FROM CHIPMAN: MASTERTEE

The artificial tee that really comes up to scratch.

A real asset for all types of Golf Courses and Driving Ranges which until now, during bad weather, have had to rely on small size unresponsive mats.

MASTERTEE is manufactured from a composite of coconut fibres and polypropylene. The pile is so tightly woven that no sand infill is required and it stands upright to a height of some 30mm.

Chipman **MASTERTEE** for Golf Courses, is designed to fit flush with the surrounding turf which makes it less obtrusive, more pleasant to play off and provides a new answer to the problems caused by waterlogging and heavy usage throughout the worst months of the year.

MASTERTEE is also available with a thick resin backing which adds strength to the base and in this form is ideal for Driving Ranges or for use on hard standings such as concrete bases.



For further details please contact:

David R. Knight, Managing Director, Chipman Limited, CHIPMAN LTD., Horsham, Sussex RH12 2NR. Telephone: Horsham (0403) 60341/5. Telex: 877223.

PLYMOUTH'S £6 MILLION DEVELOPMENT

New 18 hole golf course to be financed from Hong Kong

MWT Architects — a member of The Company of Designers PLC — have submitted an outline planning application for a £6 million leisure development at Saltash, Cornwall on behalf of the China Fleet Club UK Charitable Trust. The proposed indoor and outdoor leisure and recreation centre, includes an 18 hole golf course, and will be constructed on a 160 acre greenfield site to the north-west of Plymouth.

The building costs of the new country club will be met from the assets of the China Fleet Club in Hong Kong, which has been established for more than 80 years.

Membership of the new Country Club will be open to serving naval ratings of the Royal Navy. Ex-ratings may also use the facilities and consideration is being given to restricted use by organised local groups.

In addition to the 18 hole golf course, with separate putting and practice areas, there are

plans for outdoor facilities to include footpaths, bridleways and a trim trail with exercise locations, hides for bird watching, floodlit all-weather tennis courts, coarse fishing in new lakes, children's play areas and an adventure playground, as well as picnic areas and more formal lawns, gardens and terraces.

Of the Hong Kong based club members, some 60 per cent have returned to bases in or around Plymouth. The remaining 40 per cent are stationed around the country or on overseas service and the trustees of the China Fleet Club consider it important that these members should be accommodated so that they can enjoy the facilities of the new China Fleet Country Club.

MWT Architects report that work is expected to start on site in the Autumn of 1988 with completion of all the Country Club facilities ready for opening in the Spring of 1991.

Australian Hole Cutter promises smoother greens

One of the major moans from golfers, not to mention greenkeepers, is uneven or rough putting surfaces, particularly in those areas where pin placements have been moved.

An Australian company, Better Methods, manufactures equipment that not only cuts a perfect hole, but, more importantly, the plug fits perfectly flush back into the hole when changing the position of the pin, resulting in a smooth putting surface.

Called the Turfmaster Golf Hole Cutter, it is marketed in Britain and other EEC countries through a subsidiary company, Better Methods Europe, based at Parkstone, Poole, Dorset.

The patented hole cutter has two semi-circular blades which make a totally clean cut in the green. The cutter also has an

accurate depth control gauge.

The cutter's two blades are 1.6mm (0.06 in) thin, case-hardened and sharpened with an outside bevel to a razor's edge. Because it makes such a clean cut, there is minimal root damage to the grass.

The diameter cannot be varied and careful use of the depth gauge ensures that the plug will fit perfectly back into the old hole first time, every time. Time wasting corrections to the surface level are eliminated.

The company claims its cutter will work at 100 per cent efficiency no matter what type of soil is used in the putting green.

For further details contact:-
Better Methods Europe,
11 Kimberley Road, Parkstone,
Poole, Dorset. BH14 8SQ
Telephone: (0202) 740142.

STANDARD GOLF NOW IN UK

Following their recent appointment as the sole UK distributor of The Standard Golf Range of Golf Course equipment and accessories, Maxwell Hart now provide a Club's requirements from tee to green, to a level of product quality not previously available in this Country.

In the USA, where Standard Golf products are manufactured, the range is market leader.

It includes tee markers and signs, ball washer consoles, shoe cleaners, bunker rakes, flagstuffs and a whole variety of flag designs, litter baskets, hole cups, putting green equipment and many others.

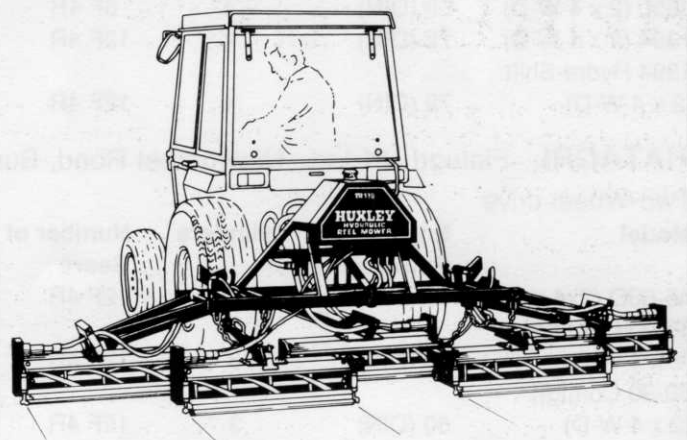
INTER SEEDS RECRUIT NEW CONSULTANT

Danny Godfrey (N.D.T., F.Inst.G.) has joined Inter Seeds Ltd. as Sports and Amenity Grassland Consultant where his role will be to give advice to local authorities and landscape architects.

He formerly worked 8 years with a major UK seed company before becoming Estate Manager at Lilleshall National Sports Centre. His considerable in-depth knowledge of amenity grass seeds for landscaping, sports grounds and golf courses will add greatly to the high calibre technical service offered by the company.

His appointment, will help consolidate their position in the amenity grass seed sector.

Mowers for weight-watchers. Not weight-lifters.



Huxley Hydraulic Reelmowers for compact tractors prove that you don't have to be a heavyweight to be strong.

So, if your turf could benefit from a reduction in pressure, without a reduction in performance, please ask us to demonstrate.

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HANTS SO24 9BL, ENGLAND
Tel: 0962 733222 Fax: 0962 734702
Telex: 894426

TRACTOR REVIEW

Leading models and current prices

Massey-Ferguson accounted for almost one in every five new tractors sold in the world market place in 1987

Finance facilities are available via Massey-Ferguson Leasing Limited, including Contract Hire, which the Company pioneered to give users a method of operating tractors at costs that remain fixed from year to year. Called Powerplan, the scheme has many advantages for customers from local authorities to individual users and contractors because it releases capital from being tied-up in a depreciating machinery asset, and all the maintenance, repairs, tax and insurance are taken care of by the M-F dealer network. The 10 models in the Company's specialist groundcare and maintenance line-up, extending from 16hp to 63hp, are claimed to offer a wider choice than any other manufacturer. However, for big work outputs from small machines that will fit

into the tightest spaces, M-F's compact tractors are the ideal solution. These models—the M-F 1010 (16hp), M-F 1020 (21hp), M-F 1030 (26hp) and M-F 1035 (31hp) are all powered by 3-cylinder indirect injection diesel engines with 2-speed rear pto and category I linkage. They are available with 2 or 4 wheel drive and can be fitted with either agricultural or turf tyres. The 1010 and 1020 are also offered with a choice of manual or hydrostatic transmission, and the latter are additionally equipped with a mid-mounted pto. The 12-speed manual transmissions of the 1020, 1030 and 1035 include creeper gears giving speeds as low as 0.18m/hr. As well as a comprehensive specification, these tractors are notable for their ergonomic layout and operator convenience,

which produces machines that are highly functional, despite their small size. The 200 Series machines, the 40hp, M-F 230 and 47hp, M-F 240 will both meet specialist applications where a more powerful machine is required. The 230 offers all the advantages of a tractor without a cab, and the 240 is fitted with a quick detach cab that enables it to be used in areas of restricted height. Both these tractors are powered by 3-cylinder direct injection Perkins diesel engines, with Ferguson System hydraulics providing precise control of a wide range of implements. Other standard equipment includes an 8-forward 2-reverse speed transmission and live engine speed with ground speed 540 rev/min pto. The 52hp M-F 350 and 63hp M-F 360 are both offered in 2 or 4-

wheel drive with 8 or 12 speed synchromesh transmissions and 'big tractor' features such as dual clutch live or independent pto, category 1 and 2 three point linkage and powerful external hydraulics. Despite their extra power, dimensions remain compact for excellent manoeuvrability epitomised by the 4-wheel drive versions, which feature a 50 degree steering angle. These 200 and 300 Series machines, the latest successors to nearly two and threequarter million tractors that have been made to date in Massey-Ferguson's Coventry plant, can be equipped with turf, industrial or agricultural tyres.

CASE IH J I Case Europe Ltd., Wheatley Hall Road, Doncaster, South Yorkshire. DN2 4PG Tel: 0302 66631

Model	Engine Power HP	Cylinders	Number of Gears	Wheelbase (m)	Price £
385L (2 W-D)	45 (DIN)	3	8F 4R	2.02	10,010
485L (2 x 4 W-D)	52 (DIN)	3	8F 4R	2.02-2.16	11,002-13,478
585L (2 x 4 W-D)	59 (DIN)	4	8F 4R	2.14-2.16	12,544-15,751
685L (2 x 4 W-D)	69 (DIN)	4	8F 4R	2.25-2.16	13,078-16,457
1394 (2 x 4 W-D)	72 (DIN)	4	12F 4R	2.10-2.14	13,916-17,306
1394 Hydra-Shift (2 x 4 W-D)	72 (DIN)	4	12F 4R	2.10-2.14	14,816-18,206

FIATAGRI Fiatagri UK Ltd., Newmarket Road, Bury St. Edmunds, Suffolk. IP33 3YA Tel: 0284 68441

Two-Wheel-drive

Model	Engine Power HP	Cylinders	Number of Gears	Wheelbase (m)	Price £
45-66Q (2x4 W-D)	45 (DIN)	3	12F 4R	2.00	11,550-14,300
55-90 Comfort (2 x 4 W-D)	55 (DIN)	3	12F 4R	2.23	12,600-15,750
60-90 Comfort (2 x 4 W-D)	60 (DIN)	3	12F 4R	2.23	13,650-16,800
70-90 Comfort (2 x 4 W-D)	70 (DIN)	4	12F 4R	2.34	15,000-18,200

FORD Ford New Holland Ltd., Cranes Farm Road, Basildon, Essex Tel: Basildon 3000

Model	Engine Power HP	Cylinders	Number of Gears	Wheelbase (m)	Price £
LGT140 (2 W-D)	14 (DIN)	3	Hydrostatic	1.2	4,400
1210 (2 x 4 W-D)	16 (DIN)	3	10F 2R	1.40	from 5,308-5,751
1710 (2 x 4 W-D)	26 (DIN)	3	12F 4R	1.60	from 6,206-7,424
1910 (2 x 4 W-D)	32 (DIN)	3	12F 4R	1.68-1.70	from 7,136-8,354
4110 (2 x 4 W-D)	54 (DIN)	3	8F 2R/8 x 4	1.96-2.09	from 11,429-14,192
4610	61 (DIN)	3	8F 2R/8 x 4	2.15-2.13	from 12,813-15,576

GREENS Green's, Fergus Square, Arbroath, Angus DD11 3DR

Tel: 0241 73841.

Model	Engine Power HP	Cylinders	Number of Gears	Wheelbase (m)	Price £
C172	18 (DIN)	3	9F 3R	1.29	4,950
C174 (4 W-D)	18 (DIN)	3	9F 3R	1.29	5,495
C174HST (4 W-D)	18 (DIN)	3	Hydrostatic	1.29	6,750
E2304 (4 W-D)	25 (DIN)	3	12F 4R	1.60	6,400

ISEKI Iseki Tractors, Bydand Lane, Little Paxton, Cambs. Tel: 0480 218100

All models have four-wheel-drive

Model	Engine Power HP	Cylinders	Number of Gears	Wheelbase (m)	Price £
TX 2140F	14.5 (DIN)	3	6F 2R	1.28	5,445
TX 2160F	16.5 (DIN)	3	6F 2R	1.28	5,895
TX 2160F-HST	16.5 (DIN)	3	Hydrostatic	1.38	6,560
TE 3210F					
Includes roll bar	21.0 (DIN)	3	12F 4R	1.50	7,050
TE 4270F}	27 (DIN)	3	18F 6R	1.65	8,875
TE 4370F}includes	36.5 (DIN)	4	18F 6R	1.80	13,495
TD 4451F}cab	45.0 (DIN)	4	12F 4R	2.01	14,834
SX 75F	70.0 (DIN)	4	24F 8R	2.16	18,500

Note: TX series require no roll bar. TE 3120 and 4270 prices include roll bar. TE 4370, 4451 and SX 75F prices include cab.

JOHN DEERE John Deere Ltd., Langar, Nottingham. NG13 9HT

Tel: 0949 60491.

Model	Engine Power HP	Cylinders	Number of Gears	Wheelbase (m)	Price £
1550 (2 W-D)	44 (DIN)	3	8F 4R	2.05	11,045
1750 (2 W-D)	50 (DIN)	3	8F 4R	2.05	12,012
1850 (2 W-D)	56 (DIN)	3	8F 4R	2.05	12,905
1950* (2 W-D)	62 (DIN)	3T	8F 4R		13,818
New Model					
2250 (2 W-D)	62 (DIN)	4	8F 4R	2.26	from 14,098
2450 (2 W-D)	70 (DIN)	4	8F 4R	2.26	from 14,598
655 (4 W-D)	16	3	Hydrostatic	1.29	6,180
755 (4 W-D)	20	3	Hydrostatic	1.45	6,960
855 (4 W-D)	24	3	Hydrostatic	1.62	7,470

KUBOTA (UK) LTD Dormer Road, Thame, Oxfordshire. OX9 3UN

Tel: 084 4214500

Model	Engine Power HP	Cylinders	Number of Gears	Wheelbase (m)	Price £
L4150 (2 W-D)	45 (DIN)	5	8F 8R	1.94	9,880 11,395 (with cab)
B4200 (4 W-D)	12.5 (DIN)	2	6F 2R	1.23	3,900
B6200 (4 W-D)	15 (DIN)	3	6F 2R	1.4	5,165
B6200HST (4 W-D)	15 (DIN)	3	Hydrostatic	1.5	5,990
B7200 (4 W-D)	17 (DIN)	3	6F 2R	1.4	5,750
B7200HST (4 W-D)	17 (DIN)	3	Hydrostatic	1.5	6,500

MASSEY FERGUSON Massey-Ferguson (UK) Ltd., Stareton, Near Kenilworth

Warwickshire. CV8 2LJ Tel: 0203 304500.

All available with two or four-wheel-drive.

Model	Engine Power HP	Cylinders	Number of Gears	Wheelbase (m)	Price £
MF 1010	16	3	6F 2R	1.29	4,875 - 5,300
MF 1020	21	3	12F 4R	1.44	5,700 - 6,250
MF 1030L	26	3	12F 4R	1.72	7,185 - 7,900
MF 1035	31	3	12F 4R	1.72	8,050 - 8,850
MF 350	47 (DIN)	3	8F 2R*	2.08	11,675-14,310
MF 355	53 (DIN)	3	8F 2R*	2.08	12,285-15,210

MITSUBISHI E P Barrus Ltd., Launton Road, Bicester, Oxfordshire. OX6 0UR
Tel: 0869 253355.

All models four-wheel-drive.

Model	Engine Power HP	Cylinders	Number of Gears	Wheelbase (m)	Price £
MT 372D-T	15	2	6F 2R	0.96	3,850
MT 180D-T	18.5 Diesel	3	6F 2R	0.97	6,170
MT 180 HMD-T	18.5 Diesel	3	Hydrostatic	0.97	7,370
MT 250D-T	25 Diesel	3	9F 3R	1.275	7,295
MT 300D-T	30 Diesel	3	9F 3R	1.41	9,195

UNIVERSAL Bonhill Engineering Co. Ltd., 16 Ferry Road, South Cave,
Brough, North Humberside. HU15 2JF Tel: 04302 3388.
All models have four-wheel drive.

Model	Engine Power HP	Cylinders	Number of Gears	Wheelbase (m)	Price £
532DT	59 (SAE)	3	8F 2R	1.85	8,720
603DT	59 (SAE)	3	8F 8R	1.97	9,350
642DT	70 (SAE)	4	8F 2R	1.99	9,820
704DT	70 (SAE)	4	8F 8R	2.11	10,550

YANMAR John Croft (Machinery) Ltd., Thorpe Willoughby, Selby, North
Yorkshire. YO8 0SE Tel: 0757 210222.

Model	Engine Power HP	Cylinders	Number of Gears	Wheelbase (m)	Price £
186A (2 W-D)	18	3	9F 3R	1.35	5,510
169DA (4 W-D)	16	3	6F 2R	1.25	5,400
186DA (4 W-D)	18	3	9F 3R	1.35	6,675
226DA (4 W-D)	22	3	9F 3R	1.55	7,075
276DA (4 W-D)	27	3	12F 4R	1.6	7,415
336DA (4 W-D)	33	3	12F 4R	1.75	9,925



A name to play with A machine to work with

All good players need good clubs to play with, a variety of clubs to play different strokes, to play efficiently and successfully.

The greenkeepers are no different, looking for the best in machinery to undertake jobs around the course. Rough cut, short cut, spiking, or draining, preparation, or conservation. More and more greenkeepers are looking to Iseki to provide the right machine for their course.

Sure in the knowledge that it's one of the most effective clubs in your bag, to help you play, and work more efficiently all round.

ISEKI

Par Excellence

To: Mr Colin Gregory, Iseki UK Limited, Bydand Lane, Little Paxton, Cambs.
PE19 4ES. Telephone (0480) 218100.

"Please send me details of how Iseki can help my course"

Name _____

Address _____

Application _____ SI/4/88/GCCM