

**Please note this catalogue should display as 3 columns read from left to right & is best viewed with a display resolution of 1024x768 pixels or adjustments can be made in the view option currently set at 94%**  
**NEW CARRIAGE CHARGES FROM 1<sup>ST</sup> MAY FOLLOWING FUEL SURCHARGES IMPOSED BY CARRIERS**

## **INTRODUCTION 2008**

Established since 1987 formerly in Cambridge, then Tydd Gote near Wisbech, & now near Spalding in Agricultural Lincolnshire

My team & I are completely dedicated to bringing you total satisfaction. If you have any problem with items supplied on arrival, please contact me via sales@aquaticplants.eu.com or phone/fax. If I am not made aware of any problem then I cannot sort it out for you.

**Before you post it if you can click it instead you can save £'s when you order on line, special offers every week!!**

IF POSTING IN AN ORDER:-

\*\*\*\*\*

Sorry but due to a rise in business bank charges from 1st January 2008 THE MINIMUM ORDER IF PAYING BY CHEQUE WILL RISE TO £15 AND TAKE A FULL 10 DAYS TO CLEAR ONCE PAID INTO OUR ACCOUNT.

THE MINIMUM ORDER IF PAYING BY CARD OR POSTAL ORDER WILL REMAIN AT £8.00 BEFORE THE P&P IS

ADDED AND WILL NOT DELAY DESPATCH

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FOR CARD ORDERS

\*\*\*\*\*

Our minimum order is £8.00 before p&p there will now be a small order surcharge of £0.38 if orders are sent in for smaller amounts sorry Please make sure that the CARD HOLDERS ADDRESS IS THE SAME AS THE ADDRESS THAT YOUR CARD STATEMENTS ARE SENT AT on the order form or CHECKOUT on line. The Delivery address can be different. If you write or input the wrong details the payment may decline & this could delay you order while we try to contact you. Please take great care with Post codes FED-EX & Royal mail Special delivery especially requires an exact address & contact such as e.g. Mr R. Plug, c/o Sparks Electrics, unit 7, western ind. est. Bath BA7 9XX. Something like Tony c/o Petrol filling station off High Street Bath BA1 ??? will be too vague for a guaranteed delivery to be made. No refunds can be made on items returned as incomplete address, or undeliverable "Guard Dog" etc.

Special delivery must be signed for at the specified address only.

Royal mail special delivery guarantee does not include adverse weather, inaccessibility to delivery property such as guard dog locked gate etc. Act of terror or road accidents or Industrial action by local post offices.

Loss or damage is fully insured when caused by delay or damage by Royal Mail.

TERMS

All items will remain the property of Green Line Aquatic Plants Ltd until any payment has

cleared at bank. We reserve the right to refuse or cancel & refund any order placed Same week delivery promise subject to stock, postal / other industrial actions, weather conditions and other acts of God / un-foreseen circumstances such as personal/staff illness we will of course notify of any problem with an order ASAP

Again due to Bank/ card refund Charges ANY ORDER PLACED WHERE THE CARD PAYMENT HAS BEEN PROCESSED AND THEN CANCELLED BY THE CUSTOMER WILL ATTRACT A SMALL CANCELLATION FEE 5% OF THE ORDER TOTAL OR A MINIMUM £1.50 which includes the return postage when sending you the card slips which is a legal requirement. Any transit damage should be notified within 48 hours of receipt, damaged packaging should be retained and may be required by royal mail or the whole package may need to be re-collected if a carrier was used. Liability limited to value of items supplied & carriage paid, no consequential claims accepted. E&oe in text and web site. Plants are sent on the next available contracted postal/carrier collection.

We use strong boxes which will not go through letterboxes, so please ensure a delivery address is supplied where someone is around to receive the items, as they may require a signature. The onus is with the customer to be there to receive items, as postman/carriers are not able to leave sign for items in sheds, etc. Green Line Aquatic Plants Ltd cannot replace spoiled plants returned weeks later from sorting offices, marked "Not Called For" Not known incomplete address" etc

PLANTS ADVERTISED WITHIN ARE SUBJECT TO IMPORT REGULATIONS AND HAVE A MINISTRY HEALTH &

HYGIENE CERTIFICATE Which covers entry to the permitted EU states listed at checkout as well as UK. Several common species are likely to be banned from entering the UK within the next 12 months These are marked \*\*\* in the text

**PLEASE NOTE PLANTS ARE PRE-MEDICATED IN COPPER SULPHATE SOLUTION AS A SNAIL PREVENTION TREATMENT BY OUR SHIPPERS ABROAD. ALWAYS RINSE PLANTS IN SOME ROOM TEMPERATURE WATER BEFORE PUTTING INTO THE AQUARIUM ESPECIALLY IF SHRIMPS OR OTHER CRUSTACEA ARE PRESENT AS ANY COPPER RESIDUES COULD BE HARMFUL TO THEM. FISH SHOULD NOT BE AFFECTED BUT RINSING & SOAKING THE PLANTS IF SHRIMPS ARE PRESENT IS ALWAYS GOOD PRACTICE ANYWAY.**

**SHRIMPS ARE VERY SENSITIVE TO ALL METAL IONS AND THE SAFEST WAY IS TO HOLD THE PLANTS IN A QUARANTINE TANK FOR SEVERAL DAYS TO ALLOW RELEASE OF METAL IONS FROM THE PLANT TISSUES**

ORDERING BY PHONE ON 01406 364949

The personal touch, someone is normally available on the phone during the following hours.

Monday To Wednesday (10:30Hrs - 13:00Hrs) (18:00Hrs - 20:00Hrs) only.  
(Closed Bank Holidays)

Thursday (14:00Hrs-17:00Hrs) only.

Orders placed before 20:00Hrs Tuesday, normally sent same week on Wed morning  
Orders placed Wednesday before 20:00Hrs (except per-set collections, which must be

ordered before 2pm on a Tuesday) can be sent for same Friday arrival by Royal Mail Special Delivery. (Please change p&p to £4.95 for this service). Thank you.

There is an answer phone for your convenience. Please just leave A UK LANDLINE NUMBER AND THE BEST TIMES TO RETURN YOUR CALL, SORRY NO MOBILES and I'll gladly call back to give advice or take your order details.

(WE OFTEN WORK 18HOURS 2 SHIFTS FROM MONDAY NIGHT TO THURSDAY TO MEET PACKING DEADLINES), (THE OFFICE IS OFTEN UNMANNED FRIDAYS, (DUE TO AIRPORT RUN) & WEEKENDS (WHILE I RECOVER FROM THE WEEK JUST GONE & TIDY UP AT THE NURSERY) WE ARE ALSO CLOSED THE WEEK BETWEEN CHRISTMAS & NEW YEAR.

**STRICTLY MAIL ORDER ONLY WE CAN NOT SERVE PERSONAL CALLERS OR ARRANGE VIEWINGS ETC**

We Reserve the right to change prices, delete items during the validation period of this catalogue (1st Jan 2008 to 31<sup>st</sup> Dec 2008) without prior notice.

NO LONG WAIT FOR YOUR PLANTS, TO TAKE ADVANTAGE OF THE SAME WEEK DELIVERY SERVICE ORDER BEFORE 8PM ON A WEDNESDAY \*

All Orders Subject To Stock Availability at time of order)

**NEW P&P RATES FROM 1<sup>ST</sup> MAY 2008 ARE SHOWN BELOW**

**(NEW P&P RATES)**

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**ORDERS UNDER £35 (EX P&P) SAME WEEK SERVICE FOR £4.75**

WEDNESDAY/THURSDAY ARRIVAL AVAILABLE MUST BE ORDERED BY 8PM ON TUESDAYS (SEE TARIFF FOR FRIDAY ARRIVALS BELOW)  
ALL OFFSHORE & HIGHLAND POSTCODES ARE £5.95 AS LISTED IN OVER £35 TARIFF BELOW

\*\*\*\*\*

**ORDERS OVER £35 BEFORE P&P "ORDERED BEFORE 8PM ON A TUESDAY" WILL NOW BE SENT PREMIUM AT NO P&P CHARGE AT ALL £0.00 EXCEPT FOR OFFSHORE AND HIGHLANDS post codes IV, KW, HS, ZE, JE, GY, IM, BT, (AB31 TO AB56+) (FK19 TO FK21+)(KA27&28) I.O.W. SARK (SCILLEY ISLES TR21&TR22) PA20 TO PA88+ PH ) (CHARGED AT £5.95 up to 1Kg (ABOUT 150 LOOSE PLANTS) and £6.95 for heavy orders such a bogwoods & fish house collections 4482 AND 770 Etc not over 2Kg (300 plants) MAX WEIGHT FOR OFFSHORE**

\*\*\*\*\*

**IF YOU MISSED THE 8PM TUES CARRIER DEADLINE AND NEED A FRIDAY ARRIVAL THE ABOVE RATES FOR OFFSHORE & HIGHLAND WILL APPLY TO ALL OF UK**

\*\*\*\*\*

ISLE OF MAN DELIVERIES ARE SUBJECT TO YOUR OWN POSTAL SERVICES.

**FRIDAY/TUESDAY ARRIVALS PLEASE AMEND P&P TO £5.95**

**up to 1Kg and £6.95 up to 2Kg PLEASE STATE FRIDAY ARRIVAL REQUIRED IN THE SHIPPING NOTES (ORDER BEFORE 8PM WED FOR SAME FRIDAY**

**ARRIVAL BEFORE 1PM MOST OF UK)  
5PM OTHER HIGHLAND ADDRESSES**

\*\*\*\*\*

ON THE WEB SITE THE P&P CAN BE  
EDITED AT CHECKOUT THE DEFAULT  
RATE IS SET AT £4.75

\*\*\*\*\*

FOLLOWING THE RECENT POSTAL  
PROBLEMS AND AN IMPROVED  
DELIVERY SERVICE USED TO AVOID  
THE DELAYS, IF GEOGRAPHICALLY  
POSSIBLE WE ARE USING FEDERAL  
EXPRESS UK (ANC) LTD. FOR MOST  
ORDERS WHEN USED AND ORDERED  
ON LINE ARE ADVISED BY EMAIL  
GIVING YOU A TRACKING REFERENCE.  
THIS WILL MAKE IT POSSIBLE FOR  
YOU TO LEAVE THE DRIVER A SIGNED  
NOTE WITH INSTRUCTIONS DEAR FED-  
EX DRIVER ETC TO LEAVE WHERE ? AT  
YOUR OWN RISK RATHER THAN  
SPECIAL DELIVERY WHICH MUST BE  
SIGNED FOR AT TIME OF ARRIVAL. If  
your house has a name not a number it greatly  
assists the busy drivers to have a landmark  
details of these can be entered in the shipping  
note area on checkout, thanks.

A WORKS ADDRESS IS USUALLY  
ALWAYS EASIER FOR A CARRIER FIRM  
TO FIND.

**AT GREEN LINE OUR PROMISE TO  
YOU. FULL REPLACEMENT ORDER  
SHOULD ROYAL MAIL/ FED-EX UK  
FAIL TO DELIVER OR IF THE PLANTS  
ARE DAMAGED BY ANY DELAY. THIS  
DOES NOT APPLY IF USING  
ECONOMY 1<sup>ST</sup> CLASS POST AT THE  
£2.25 RATE, WE CAN ONLY REPLACE  
IN THE EVENT OF TOTAL LOSS  
AFTER 15 WORKING DAYS HAS  
PASSED**

No replacements can be issued if royal mail  
return the item as not called for when it has  
not been possible to leave anywhere and a  
card p739 is left but nobody has been to the  
local delivery office to collect it. The same  
applies if the carrier driver cannot gain access  
to your property due to locked gate security  
issues at a government building or guard dog  
etc

**STRICTLY MAIL ORDER ONLY NO  
RETAIL FACILITIES FROM THE  
NURSERY SITES FOR PERSONAL  
CALLERS SORRY**

**YOU CAN SAVE MONEY BUYING ON  
LINE NOW**

**WEB SITE USERS ONLY WILL FIND  
MARKED ITEMS # =  
# SALE PRICES &/DISCOUNTS APPLY  
TO ORDERS MADE ON-LINE ONLY  
NOT SENT BY POST/PHONE SORRY  
(WED 8PM IS THE FINAL CUT OFF  
POINT FOR SAME WEEK DELIVERY,  
PACKING ENDS AT AROUND 3AM FOR  
THE 9AM THU MORNING POST THE  
LAST BUSINESS COLLECTION FOR THE  
WEEK.**

**\* THE FINAL DEADLINE FOR FOR  
PRE-SET LABELLED COLLECTIONS IS  
2PM TUESDAYS AND THESE ARE  
POSTED OUT ON WED ONLY EVERY  
WEEK. TRY US NOW FOR QUALITY  
AND GOOD OLD FASHIONED  
PERSONAL SERVICE  
ORDER ON LINE AND GET TRACKING  
REF & NOTIFICATIONS OF SENDING  
ETC**

**\*\*\*Pre Set collections can only be  
sent on a Wed for Thu arrival.\*\*\***

(2007 CATALOGUE AVAILABLE AT  
DOWNLOAD SECTION).A free 2007 CD  
catalogue is sent with your order which will  
also play as a DVD jpeg slide show..  
WE CONTINUE TO OFFER ONE OF THE  
LARGEST RANGES OF AQUATIC  
PLANTS IN EUROPE, ESTABLISHED 1988  
WITH OVER 25 YEARS GROWING  
EXPERIENCE NOW. NO FUSS &  
GIMMICKS/ FALSE PROMISES ON  
DELIVERIES JUST OLD FASHIONED  
SERVICE AND QUALITY AT THE BEST  
PRICES WE CAN MANAGE WHILE  
MAINTAINING A BEAUTIFUL HEALTHY  
ACCLIMATISED STOCK HERE IN THE  
U.K. ALL PACKING IS DONE ON SITE IN  
U.K. SO THAT THE PLANTS DON'T  
SUFFER A LONG FLIGHT FROM  
SINGAPORE TO BE SENT STRAIGHT OFF  
TO SUFFER ANOTHER JOURNEY IN  
THE POST BEFORE FINALLY REACHING  
YOU. WE CAN NEVER BE THE  
CHEAPEST BUT STRIVE TO BRING YOU  
THE BEST PRICES, SERVICE & QUALITY  
AROUND  
FOLLOWING INCREASED REQUESTS  
FROM OVERSEAS CLIENTS WHO ARE  
PREPARED TO TAKE THE RISK OF  
SHIPPING OUT OF THE UK. WE CAN USE  
AIRSURE EUROPE (leaves u.k within 48 Hrs  
of Monday Despatch) TO THE FOLLOWING  
EU MEMBER STATES ONLY.  
AUSTRIA - BELGIUM -- DENMARK -  
FINLAND - FRANCE - GERMANY -  
LUXEMBOURG - NETHERLANDS -  
PORTUGAL - REPUBLIC OF IRELAND -  
SLOVAK REPUBLIC - SPAIN - SWEDEN  
WE POST MONDAY AND AVERAGE  
DELIVERY IS 3 TO 5 DAYS MOST  
SPECIES TRAVEL A WEEK OR MORE  
WITHOUT SIGNIFICANT HARM.

- Please see R.O.I. terms & conditions in the download section of the site. Please increase p&p to £9.95 for 1Kg and select your country from the EU list, The max allowed weight per packet is 2Kg about 300 plants, if the p&p is going to cost more we will email you by return.

ALL MATERIAL COPYRIGHT Andrew Green & GREEN LINE AQUATIC PLANTS LTD 1987- 2008

I am sorry but I can only give advice by phone or email on plants purchased from Green Line and not from other sources and an invoice or account number may be requested depending on the nature of your enquiry.

I am still glad to help regarding any intended purchases regarding suitable plant species and best collections etc.

We do not advertise under any other names on the web, ebay or magazines but are aware of some 3rd parties trying to pass off other plants using our images as being agents to ourselves. This is not so and we would welcome news of any misleading info you may encounter.

AS EVER INCREASING AUTOMATION IS INTRODUCED IN THE MAIL SORTING CENTRES AND TRACKING HUBS WITH CARRIERS IT IS NOW ESSENTIAL YOU SUPPLY THE CORRECT HOUSE NUMBER AND POST CODE WHEN ORDERING. AS YOUR DELIVERY IS BOOKED WITH THE CARRIER ON LINE THE SLIGHTEST ERROR CAN RESULT IN SERIOUS DELAY OR MIS TRACK OR THE ITEM BEING RETURNED TO US MARKED INCOMPLETE ADDRESS/NOT CALLED FOR WHERE THE WRONG ADDRESS WAS CARDED. IN THESE CASES NO REPLACEMENTS CAN BE SENT SORRY. PLEASE ALWAYS CHECK ADDRESS DETAILS FOR TYPO'S WHEN

YOU RECEIVE THE CONFIRMATION OF ORDER RECEIPT AND NOTICE OF DESPATCH.

**If you don't receive an order received confirmation when ordering on line please phone as you may have entered an incorrect e-mail address**

DUE TO THE SHORTENED WEEK & FLIGHT DELAYS AFTER BANK HOLIDAYS SAME WEEK DELIVERY MAY NOT BE POSSIBLE THESE WEEKS - SORRY

PLEASE ENJOY YOUR PLANTS  
ANDY GREEN & TEAM

Suzanne, Lel, Elysha , & Zara

**CHRISTMAS 2008 WE WILL BE CLOSED**

**FROM 17:00Hrs Tuesday 23rd DEC 2007 until 10:30Hrs Monday 5th JAN 2009**

**Orders will be sent out in order of receipt as we clear the backlog ASAP on return 5<sup>TH</sup>**

**Jan**

**SORRY I DO NOT RETURN CALLS TO MOBILE PHONES (THE OFFICE IS often CLOSED FRIDAYS,(DUE TO AIRPORT RUN) & AT WEEKENDS**

**FOR ALL OTHER AQUATIC EQUIPMENT PLEASE CONTACT ULTIMATE DISCOUNT**

**AQUATICS, UNIT 2, BLOCK 2, PRESTONHALL IND. ESTATE, CUPAR FIFE, KY15 4RD, TEL 01334 656699 TUES -SAT 10AM-6PM SUN 12 NOON - 5PM or**

**[sales@uda.co.uk](mailto:sales@uda.co.uk) FOR THEIR FREE**

**CATALOGUE. They are committed to bringing you the best price & free professional advice around. Please note they cannot supply plants as nor can I supply any of the equipment they**

**advertise. THE TWO COMPANIES ARE RUN ENTIRELEY SEPARATELY!**

## **PLANTS FROM STOCK**

### **(SUBJECT TO AVAILABILITY)**

(PCA= please check availability) Here is the list of stock plants (subject to availability)

KEY MG= MID-GROUND, FG= FOREGROUND, BG= BACKGROUND WR= CAN BE TIED TO WOOD OR ROCK SIZES IN CM ARE APPROX SIZE AT IMPORT (LIGHT) +++++ = NATURAL SUNLIGHT 14 HRS OR MORE, ++++ = HIGH INTENSITY IS BEST, +++ = BRIGHT FLUORESCENT ++ = BELOW AVERAGE FLUORESCENT + = CAN TOLERATE SIGNIFICANT SHADING EMERSED = THE SPECIES MAY NOT BE SUITED OR WILL NEED ACCLIMATISING TO UNDERWATER LIFE

AREA = WHERE IT ORIGINATES IN THE WILD, TEMP = SHOWN IN OLD FAHRENHEIT SCALE EACH, PER 5, PER 25 ETC = UNIT OF SUPPLY LOOSE. BUNCH = A GROUP OF THE PLANT IN A SPONGE FILLED LEAD, POT= SUPPLIED IN A POTTING BASKET NORMALLY 25/35MM

**4001** ETC IS THE ILLUSTRATION REFERENCE NOT ALWAYS THE ORDER CODE ( #=THESE ARE SUITABLE FOR COLDWATER ALSO) PCA (PLEASE CHECK AVAILABILITY) INDICATES THE PLANT IS RESTRICTED AND MAY NOT BE AVAILABLE AT TIME OF ORDER, IF POSTING ORDER PLEASE GIVE A SUBSTITUTE DURING THE YEAR AND TO BE COMPLETED EARLY 2007 WE WILL BE ADDING THE OPTIMUM WATER CONDITIONS FOUND AT THE NURSERY FOR EACH PLANTS CULTIVATION.

**IDEAL WATER PARAMETER READINGS ARE BEING ADDED AS A GUIDELINE ONLY**

**\*\*\*= may be banned from import in 2008 and withdrawn from sale without notice**



**ECHORNIA CRASSIPES 4001 \*\*\***  
**WATER HYACINTH (SUMMER ONLY)**

FL10cm ASIA 65-82 +++++

\*SUPPLIED (MAY-SEP ONLY)

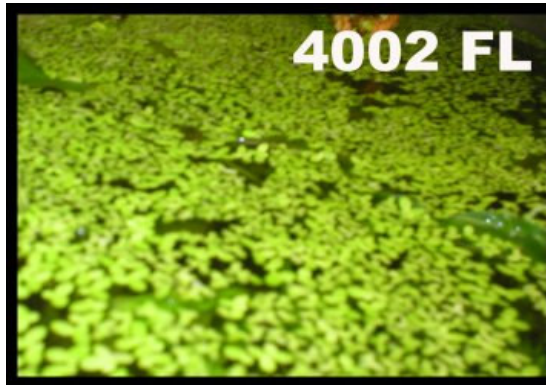
4001 EACH £1.15 \*  
 6001 PER 5 £5.20 \*  
 7001 PER 25 £23.00 (25'S SUPPLIED ALL YEAR TO ORDER)

MOST FAVOURED WATER PARAMETERS

TEMP o CELCIUS 27-33  
 ACID/ALK p H 6.5-7.5  
 GH 1-13  
 KH 1-6

NO4 & PO4 CONSUMPTION HIGH

Water Hyacinths are used to shield excess sunlight from ponds in summer to prevent too much algae forming and for keeping the water cooler, they need at least 14 hours daylight and will die out at the first winter frosts. If to be cultivated in the aquarium will need very bright light and at least 15cm surface clearance from lid.



**LEMNA MINOR (SMALL DUCKWEED) 4002**

FL 0.5cm WIDESPREAD 50-80 ++

4002 100APPROX £1.15  
 6002 PER 5 X 100 £4.50  
 7002 PER 25 £22.00

MOST FAVOURED WATER PARAMETERS

TEMP o CELCIUS 15-32.5  
 ACID/ALK p H 1-4  
 GH N/A  
 KH N/A

NO4 & PO4 CONSUMPTION VERY HIGH



**LIMNOBIUM SPONGIA AMAZON FROGBIT**  
**AMAZON FROGBIT TROPICAL 4003**

FL3-4cm S.USA 72-82 +++

Good at consuming phosphates & nitrates

4003 EACH £0.85  
 6003 PER 5 £3.95  
 7003 PER 25 £16.95

MOST FAVOURED WATER PARAMETERS

TEMP o CELCIUS 18-24

ACID/ALK p H 5.5-7.6  
 GH 1-6  
 KH 1-10  
 NO4 & PO4 CONSUMPTION VERY HIGH



**PISTA STRATIOTES (LETTUCE) 4004**

FL5cm WIDESPREAD 65-82 +++++

Requires about 25mm clearance above surface

4004 EACH £0.50  
 6004 PER 5 £1.75  
 7004 PER25 £7.95 MOST

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 22-30  
 ACID/ALK p H 5.9-8.4  
 GH 1-25  
 KH 1-24

NO4 & PO4 CONSUMPTION HIGH



**SALVINIA NATANS/AURICULATA 4005**

## GIANT DUCKWEED

FL 2cm WIDESPREAD 74-82 +++  
Much larger than the troublesome small lemna species seen choking ponds in summer. This plant although hardy & vigorous in the summer pond is easy to control and will die out in winter. Note there are two leaf forms on the same plant in the picture, the big taller forms develop only in Asia under intense sunlight, the smaller chains develop in lower aquarium light

4005 EACH £0.40

6005 PER 5 £1.75

7005 PER 25 £5.75

### FAVOURED WATER PARAMETERS

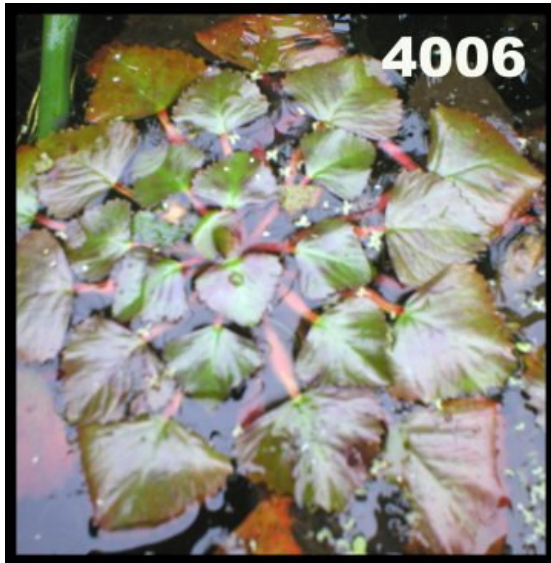
TEMP ° CELCIUS 24-31

ACID/ALK pH 6.9-7.2

GH <1-5

KH <1-25

NO4 & PO4 CONSUMPTION VERY HIGH



## TRAPA NATANS WATER CHESTNUT 4006 (MAY-SEP ONLY)

FL 20cm INDO/ASIA 60-80 ++++

4006 EACH £3.45

6006 PER 5 £15.50

### FAVOURED WATER PARAMETERS

TEMP ° CELCIUS 15-32

ACID/ALK pH 7.2-7.8

GH N/A

KH N/A

NO4 & PO4 CONSUMPTION HIGH

A beautiful larger floater with crimson-purplish undersides to the leaves, the fruit is eaten in Chinese dishes and the plant propagates on chains/runners forming smaller plantlets after the main disc has flowered not winter hardy



## HYGRORYZA ARISTATA WATER STAR GRASS 4007

Will grow smaller leaves on long stems to flower sets seeds regularly

FL15cm S. ASIA 60-85 +++

4007 EACH £0.70

6007 PER 5 £3.20

7007 PER 25 £14.50

### FAVOURED WATER PARAMETERS

TEMP ° CELCIUS 17-29

ACID/ALK pH 6.5-8

GH ANY

KH N/A

NO4 & PO4 CONSUMPTION MED



## ANUBIAS NANA VAR NANA 4008

WR 4cm CAMEROON 65-84 +

Very hardy & suitable for attaching to wood, rock etc

4008 EACH £4.50

6008 PER 5 £19.00

3008 POT £4.75

### FAVOURED WATER PARAMETERS

TEMP ° CELCIUS 25

ACID/ALK pH 7.8

GH 4.5

KH 3.5

NO4 & PO4 CONSUMPTION



## RORIPPA AQUATICA 4009

### WATER CABBAGE

Like a small cabbage, hardy and undemanding in The foreground area

FG7cm USA 68-82 ++  
 4009 EACH £0.95  
 6009 PER 5 £3.95  
 2009 BUNCH £1.45 (\*2)  
 3009 POT £1.75

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 20-25  
 ACID/ALK p H 7.0-8.0  
 GH N/A  
 KH N/A

NO4 & PO4 CONSUMPTION MED



**AMMANIA MINI SPECIES 4010**

FG 6cm E. ASIA 70-80 +++  
 4010 EACH £0.70  
 6010 PER 5 £2.90  
 7010 PER 25 £13.25  
 2010 BUNCH £3.50 (\*10)

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 22-28  
 ACID/ALK p H 6.2-6.8  
 GH N/A  
 KH N/A

NO4 & PO4 CONSUMPTION MED



**ACORUS PUSSILUS DWARF RUSH 4011#**

FG6cm E. ASIA 40-75 ++  
 4011 EACH £0.80  
 6011 PER 5 £2.90  
 7011 PER 25 £10.95

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 18-25  
 ACID/ALK p H ANY  
 GH N/A  
 KH N/A

NO4 & PO4 CONSUMPTION LOW

**ACORUS GRAMINIEUS 4012#**

**LARGE GREEN RUSH**

BG 30+cm E. ASIA 40-80 ++  
 4012 EACH £0.85  
 6012 PER 5 £3.45  
 7012 PER 25 £13.80

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 18-26  
 ACID/ALK p H ANY  
 GH N/A  
 KH N/A

NO4 & PO4 CONSUMPTION LOW

**ACORUS VARIEGATED RUSH 4013#**

MG 20cm E. ASIA 60-80 +++  
 4013 EACH £1.40  
 6013 PER 5 £7.00  
 7013 PER 25 £23.00

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 18-25

ACID/ALK p H 6-8  
 GH N/A  
 KH N/A

NO4 & PO4 CONSUMPTION LOW

**AZOLLA FILICULODIDES RED \*\*\***

**DUCKWEED 4014 (PICTURE SEE 4004)**

FL 0.5cm EUROPE 40-80 +++  
 4014 100 £1.75  
 6014 PER 500 £1.15

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 24-27  
 ACID/ALK p H 6.9  
 GH <1  
 KH <1

NO4 & PO4 CONSUMPTION VERY HIGH



**ALTERNANTHERA ROSAEFOLIA 4016**

MG10cm S.USA 68-82 +++  
 A very pretty plant hardy in most water types  
 4016 EACH £0.60  
 6016 PER 5 £1.85  
 2016 BUNCH £1.45 (\*5)  
 3016 POT £1.75

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 17-27  
 ACID/ALK p H 6.5

GH 4  
 KH 11  
 NO4 & PO4 CONSUMPTION MED



**ALTERNANTH. REINECKII/CARDINALIS 4017**

MG 10cm S. USA 70-80  
 4017 EACH £0.60 +++  
 6017 PER 5 £2.30  
 7017 PER25 £10.25  
 2017 BUNCH £1.45 (\*5)  
 3017 POT £1.75  
FAVOURED WATER PARAMETERS  
 TEMP o CELCIUS 17-25  
 ACID/ALK p H 6.5  
 GH 4  
 KH 11  
 NO4 & PO4 CONSUMPTION MED



**AMMANIA GRACILIS 4018**

MG 10cm W. AFRICA 65-80 +++  
 6018 PER 5 £2.00  
 7018 PER 25 £8.50  
 2018 BUNCH £2.45 (\*7)  
FAVOURED WATER PARAMETERS  
 TEMP o CELCIUS 22-28  
 ACID/ALK p H 6.5-7.2  
 GH N/A  
 KH N/A  
 NO4 & PO4 CONSUMPTION MED



**AGLAEONEMA SIMPLEX (EMERSED) 4019**

**MALAYAN SWORD**

FG 6cm ASIA 55-78 ++  
 4019 EACH £0.85  
 6019 PER 5 £3.90  
FAVOURED WATER PARAMETERS  
 TEMP o CELCIUS 16-24  
 ACID/ALK p H ANY  
 GH N/A  
 KH N/A  
 NO4 & PO4 CONSUMPTION LOW



**AGLAEONEMA SPECIES 4020**

**BORNEO SWORD**  
 MG 12cm MALAYA 50-84 +  
 6020 PER 5 £3.45  
FAVOURED WATER PARAMETERS  
 TEMP o CELCIUS 14-28  
 ACID/ALK p H ANY  
 GH N/A  
 KH N/A  
 NO4 & PO4 CONSUMPTION LOW





**AMBULIA AROMATICA 4021  
RED STEM PLANT**

MG 20cm ASIA 70-82 +++  
 6021 PER 5 £2.25  
 7021 PER 25 £8.60  
 2021 BUNCH £1.45

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 22-27  
 ACID/ALK p H 5.8  
 GH 3  
 KH 2  
 NO4 & PO4 CONSUMPTION MED



**ALTHERANTHERA SESSILIS 4022  
RED IVY PLANT**

MG 15cm TROPICS 72-80 +++  
 6022 PER 5 £1.75  
 7022 PER 25 £7.95

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 20-26  
 ACID/ALK p H 8.3  
 GH 7  
 KH 10  
 NO4 & PO4 CONSUMPTION LOW



**ALTHERANTHERA LILACINA 4023  
RED CAPSIAN PLANT**

MG 12cm ASIA 70-80 +++  
 6023 PER 5 £1.75  
 7023 PER 25 £7.95

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 17-25  
 ACID/ALK p H 6.8  
 GH 5  
 KH 15

NO4 & PO4 CONSUMPTION MED

Often sold by some outlets as eustralis stellata which in the emerged form has similar leaves but more jagged edges



**APONOGETON SIAMENSIS 4024#**  
**COMMON APONOGETON BULB**  
 MG 25cm SRI LANKA 60-85 ++  
 THIS PLANT IS SIMILAR TO CRISPUS (NOW A BANNED IMPORT) BUT WITH A PALER GREEN LEAF AND OFTEN MORE PLANT THAN BULB

4024 EACH £0.85  
 6024 PER 5 £2.65

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 24-28  
 ACID/ALK p H 6.5-6.8  
 GH 7  
 KH 10  
 NO4 & PO4 CONSUMPTION MED



**BLYXA AUBERTII 4026**  
**LARGE SOFT RUSH (PREFERS SOFT WATER)**  
 MG 15cm ASIA 72-82 +++

4026 EACH £0.80  
 6026 PER 5 £2.90

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 20-28  
 ACID/ALK p H 6-6.6  
 GH <1-3  
 KH <1-2

NO4 & PO4 CONSUMPTION MED

Not an easy plant but very attractive once established, travels badly so be prepared for some outer leaf loss initially .will not be dispatched in very hot weather



**BLYXA JAPONICA 4027**  
**DWARF SOFT RUSH (LIKES SOFT WATER)**  
 FG 8cm E. ASIA 72-82 ++

4027 EACH £0.85  
 6027 PER 5 £3.95

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 20-27  
 ACID/ALK p H 6-6.8  
 GH <1-4  
 KH <1-3

NO4 & PO4 CONSUMPTION MED

A little easier to grow than 4026 but again may travel poorly and may lose some leaves initially



**BOLBTIS HETEROCLITA 4028#  
MALAY JAVA FERN NOT THE AFRICAN**

MG 8cm MALAYA 50-86 +

4028 EACH £0.60

6028 PER 5 £2.30

FAVOURED WATER PARAMETERS

TEMP o CELCIUS	20-25
ACID/ALK p H	7.5-8.3
GH	15-30
KH	5-10
NO4 & PO4 CONSUMPTION LOW	



**APONOGETON MADAGASCARIENSIS 4029  
MADAGASCAR LACE PLANT**

MG 15cm M/CAR 70-85 ++

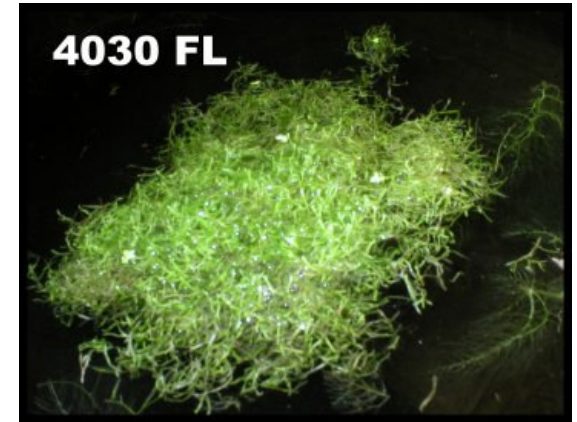
4029 EACH £6.25

6029 PER 5 £28.50

FAVOURED WATER PARAMETERS

TEMP o CELCIUS	18-26
ACID/ALK p H	5-7.3
GH	<1-8
KH	30-780
NO4 & PO4 CONSUMPTION MED	

This cracking plant grows quickly from a bulb and gives healthier results below 26 C as at higher temperatures it will attempt to flower quickly and burn itself out in a few weeks. Removing any flower spikes early will triple the plants in leaf life



**RICCIA FLUITANS CRYSTALWORT 4030  
3-4CM CLUMP**

FL3 cm JAPAN 65-84 ++ PCA  
THIS RARE LIVERWORT IS GROWN IN OUR NURSERY AND IS THE TRUE JAPANESE SUBMERSED FORM OFTEN RATIONED PLEASE SEE WEB SITE FOR CURRENT AVAILABILITY

4030 EACH £3.95



5030 ON MAT £5.95 (9X7CM)

FAVOURED WATER PARAMETERS

TEMP o CELCIUS	10-27
ACID/ALK p H	7.5-8.3
GH	15-50
KH	10-100

NO4 & PO4 CONSUMPTION HIGH

You must never expose this plant to bright light or sunlight, although growth rate will increase so will growth of algae within the thallus which the plant will

the kill with a natural algicide resulting in white mats with almost no new growth. Best with lots of CO2 Eutrophic water and only moderate lighting



**ANUBIAS NANA VAR. BATERII 4031**

WR 5CM AFRICA 65-85 +  
 4031 EACH £4.65  
 6031 PER 5 £22.00

FAVOURED WATER PARAMETERS

TEMP ° CELCIUS 25-31  
 ACID/ALK p H 7.8  
 GH 4.5  
 KH 3.5

NO4 & PO4 CONSUMPTION LOW

All the Anubias family are shade loving hardy and slow growing 1 leaf a month represents healthy fast growth.

In brighter light they will be troubled by black/ brown slime algae which can be sponged off with dilute Milton/bleach without damage to the plant.

Naturally wash really well to avoid poisoning livestock in the tank with chlorine in the bleach.

The easiest species and lowest growing are Nana var. Barterii and the Nana, Var Nana varieties.

Lanceolata and Gracilis next and the least hardy I find but the largest of the Genus Congensis the most prone to leaf loss.

Hastifolia is over 35Cm tall and sometimes available from the Rare plant Mother pot section at the end of this catalogue



**ANUBIAS CONGENSIS 4032**

WR 10cm AFRICA 70-80 +  
 4032 EACH £5.75  
 6032 PER 5 £25.00

FAVOURED WATER PARAMETERS

TEMP ° CELCIUS 25-30  
 ACID/ALK p H 6.5-7  
 GH N/A  
 KH N/A

NO4 & PO4 CONSUMPTION LOW



**ANUBIAS LANCEOLATA 4033**

MG/WR 8cm AFRICA 70-80 +  
 4033 EACH £5.75  
 6033 PER 5 £25.00

FAVOURED WATER PARAMETERS

TEMP ° CELCIUS 25-30  
 ACID/ALK p H 6.5-7  
 GH N/A  
 KH N/A

NO4 & PO4 CONSUMPTION LOW



**ANUBIAS GRACILIS 4039**

WR 6cm AFRICA 70-84 +  
 4039 EACH £5.75

FAVOURED WATER PARAMETERS

TEMP ° CELCIUS 22-26  
 ACID/ALK p H 6.5-7.5  
 GH N/A  
 KH N/A

NO4 & PO4 CONSUMPTION LOW



**APONOGETON BIOVINIANUS 4034**

BG25cm M'CAR 75-82 ++

4034 EACH £5.95

XL4034 EACH £7.40 PCA

FAVOURED WATER PARAMETERS

TEMP o CELCIUS	22-25
ACID/ALK p H	6.5-6.8
GH	<1-6
KH	5-25

NO4 & PO4 CONSUMPTION MED

Remove any flower spikes to prolong leaf growth  
 Can sometimes be rested after a year or so in dry cool sand for 6 weeks and then re-introduced to warm water, about a 30% success rate I find but a very rewarding specimen plant none the less .Sometimes available as full size plants



**APONOGETON ULVACEUS 4035**

BG 25cm MADAGASCAR 75-85 ++

4035 EACH £6.75

FAVOURED WATER PARAMETERS

TEMP o CELCIUS	24-27
ACID/ALK p H	6.8-7.2
GH	<1-5
KH	5-15

NO4 & PO4 CONSUMPTION MED

Remove any flower spikes immediately, very fast leaf growth very nice specimen species.



**BOLBITIS HEUDELOTTII 4036 PCA  
AFRICAN FERN**

Very rare these days only available a few times a year

WR 4-6cm AFRICA 74-84 + PCA

4036 EACH £5.75

FAVOURED WATER PARAMETERS

TEMP o CELCIUS	24-27
ACID/ALK p H	5.5-7.2
GH	0.5-4
KH	<0.1-0.8

NO4 & PO4 CONSUMPTION LOW

Very slow growing and prized collectors of African ferns  
 While I tend to buy every plant that becomes available supplies can run short at certain times of the year  
 Must have a shady corner & welcomes some water flow over its leaves but tied to rock or décor.



**BACOPA MONNIERA BABY TEARS 4037#**

MG 20cm WIDESPREAD 65-78 +++

A dainty round leaved pale green bacopa thrives best under 75oF in good light

4037 EACH £0.40

6037 PER 5 £0.75

7037 PER25 £3.50

2037 BUNCH £1.45 (\*6)

3037 POT £1.75

FAVOURED WATER PARAMETERS

TEMP o CELCIUS	20-29
ACID/ALK p H	6.9-8.3
GH	3-20
KH	3-50

NO4 & PO4 CONSUMPTION HIGH

I think it is a widely accepted fact that if a tank will not grow Baby tears, Hygro Polysperma or Creeping jenny it is safe to say growing conditions in the tank are so hostile to plants there is little point in trying any other species until some kind of system upgrade is adopted.



**BACOPA CAROLINIANA  
BRONZE/ROUND BACOPA 4038**

MG 25cm ASIA 72-82 +++

A lovely dark brownish green leaved form unlike most types does not like cold water or chilling

4038 EACH £0.60  
6038 PER 5 £1.25  
7038 PER25 £5.70  
2038 BUNCH £1.45 (\*5)  
3038 POT £1.75

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 24-27  
ACID/ALK p H 6.5-7  
GH 1-5  
KH 5-20  
NO4 & PO4 CONSUMPTION HIGH



**BARCLAYA LONGIFOLIA  
RED FORM LARGE BULB**

MG 5cm THAILAND 75-84 ++

PRICE REVISED AUGUST 2006

4044 EACH £1.40

6044 PER 5 £6.50

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 25-28  
ACID/ALK p H 6.3-7.2  
GH 0.1-5  
KH 7-15  
NO4 & PO4 CONSUMPTION LOW

A red plant that actually prefers lower light levels 5cm is an average height for the plant in captivity but under favourable conditions and after rooting into the substrate may attain 30cm or more. Never bury the bulbs, just lay in a dent in the substrate, a fine grade one is best, and wait for filament roots to develop and anchor into place. Never move the plant again, clean around it.



**CALAMUS SPECIES PALM TREE  
EMERSED 4045**

MG 15cm ASIA 60=84 +

4045 EACH £0.70

6045 PER 5 £3.20

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 20-28  
ACID/ALK p H 6.5-8.5  
GH N/A  
KH N/A  
NO4 & PO4 CONSUMPTION LOW

One of those borderline aquatics that can cope underwater with new leaf formation or be used equally well in a semi emersed state as long as the air is humid



**CABOMBA CAROLINIANA 4046#**

**GREEN CABOMBA**

BG 30cm MALAYSIA 60-78 +++

A very widely used oxygenating plant

6046 PER 5 £0.90

7046 PER 25 £4.20

S46 PER 50 £7.95

2046 BUNCH £1.45 (\*7)

3046 POT £1.75

FAVOURED WATER PARAMETERS

TEMP ° CELCIUS 18-25

ACID/ALK pH 6.3-7

GH <1-5

KH 5-15

NO4 & PO4 CONSUMPTION HIGH

This plant grows best in the company of a calcium removing plant like Egeria Densa which will give the softer water conditions and similar light levels it needs to thrive.

Never plant single stems close together and it may take several attempts at rooting the plant in place. The pebble on top of the substrate trick to hold in place works well.



**CABOMBA AUSTRALIS**

**RED CABOMBA 4047#**

Does not like sudden changes temp etc

BG 30cm ASIA 60-75 +++

6047 PER 5 £1.20

7047 PER 25 £5.20

2047 BUNCH £1.45 (\*6)

3047 POT £1.75

FAVOURED WATER PARAMETERS

TEMP ° CELCIUS 17-24

ACID/ALK pH 6.5-7

GH 4

KH 11

NO4 & PO4 CONSUMPTION HIGH



**CABOMBA PIAUHYENSIS**

**YELLOWISH CABOMBA 4048#**

BG 30cm S. USA 60-75 +++

Leaves have a pinkish yellow tint

6048 PER 5 £1.20

7048 PER 25 £5.20

2048 BUNCH £1.45 (\*6)

3048 POT £1.75

FAVOURED WATER PARAMETERS

TEMP ° CELCIUS 24-30

ACID/ALK pH 6.5-6.8

GH 4

KH 11

NO4 & PO4 CONSUMPTION HIGH



**CARDAMINE LYRATA WATER CRESS 4049**

MG 20cm JAPAN 60-78 ++

6049 PER 5 £1.00

7049 PER 25 £4.95

2049 BUNCH £2.30 (\*10)

FAVOURED WATER PARAMETERS

TEMP ° CELCIUS 18-24

ACID/ALK pH 6.8-7.4

GH 5-10

KH 7-20

NO4 & PO4 CONSUMPTION MED

A very easy plant given good light, like wisteria it will become leggy from the base and need periodic basal clipping and re-planting but very fast growing



**CEROPTERIS THALICTROIDES**

**INDIAN FERN 4051**

FL 15cm INDIA 60-80 +++

Best floated

4051 EACH £0.60

6051 PER 5 £1.85

7051 PER 25 £8.95

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 22-27

ACID/ALK p H 6.8-7.2

GH 2

KH 4

NO4 & PO4 CONSUMPTION MED

**CEROPTERIS SILIQUOSA FINE LEAVED INDIAN FERN**

**WATERSPRITE 4054**

MG/FL15cm TROPICS 65-82 ++

6054 PER 5 £2.30

7054 PER25 £10.35

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 22-27

ACID/ALK p H 6.8-7.2

GH 2

KH 4

NO4 & PO4 CONSUMPTION MED

Both these ferns are best floated but the 4054 will adapt better if required for underwater use some outer leaf loss will always occur initially



**CERATOPHYLLUM DEMERSUM**

**COMMON HORNWORT 4052#**

FL 15cm EUROPE& ASIA 50-84 +

Never roots but forming clumps just under surface

An excellent oxygenator fast growing & hardy

4052 EACH £0.60

6052 PER 5 £1.60

7052 PER 25 £7.50

2052 BUNCH £1.75 (\*5)

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 10-27

ACID/ALK p H 7.8-8.5

GH 3-15

KH 20-6450

NO4 & PO4 CONSUMPTION VERY HIGH

Hornwort is one of the best pollution removers known and removes copious amounts of calcium too.

So much so the faster it is growing the more of an indication that filtration might be inadequate. As a bonus it also produces a powerful natural algicide against almost all the slimy forms



**CRESS RORIPPA NASTURTIAN 4055#**

30FAST GROWING AND HARDY

MG/FL 15cm EUROPE 41-82 ++

2055 BUNCH £1.25 (\*5)

4055 EACH £0.60

6055 PER 5 £1.20

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 5-25

ACID/ALK p H 6.8-7.4

GH 5-12

KH 5-25

NO4 & PO4 CONSUMPTION VERY HIGH

A very prolific nitrate sponge this plant will rise above the surface to produce masses of white flowers especially if used in the summer pond where it will attract butterflies both as a member of the cabbage family and as a nectar source. Often supplied with strong root mass easy to plant in the aquarium and a good cheap space filler. Although edible it is not sold fit for Human consumption





**4056  
MG**

**CRYPTOCORYNES MIXED IN  
CONTAINER 4056**

CONTAINER GROWN POT LUCK  
GENERALLY ASIA 65-82 ++  
USUALLY WELL ESTABLISHED IN POTS  
6056 PER 5 £16.50  
5056 PER 10 £25.00

FAVOURED WATER PARAMETERS

TEMP ° CELCIUS 24-29  
ACID/ALK p H 6.5-7.8  
GH 4.5-12  
KH 5.2-25  
NO4 & PO4 CONSUMPTION MED



**4057  
BG**

**CRINUM CALAMISTRUM 4057 (PCA)**

MG15cmCAMEROON 65-84 + PCA  
4057 EACH £8.50

FAVOURED WATER PARAMETERS

TEMP ° CELCIUS 24-28  
ACID/ALK p H 6.8-7.2  
GH 2-10  
KH 5-25

NO4 & PO4 CONSUMPTION LOW

Good rooted stock of this species is never easy to obtain these days and never cheap when paying for a rooted plant there are excess charges for root soil cleaning at source before import. A very rare African onion not always available so best to check by email 1<sup>st</sup>



**4059  
BG**

**CRINUM THAIANUM 4059#**

**WATER ONION with MED-LARGE BULB**

BG35+cm AFRICA 68-82 ++

Do not bury the bulb  
4059 EACH £2.70  
6059 PER 5 £12.50

FAVOURED WATER PARAMETERS

TEMP ° CELCIUS 22-27  
ACID/ALK p H 6.9-8.2  
GH 5-15  
KH 10-100  
NO4 & PO4 CONSUMPTION MED

Water onions should never be buried fully in the substrate, half way down is more than adequate otherwise the whole thing may rot away. Leaf growth seems to be both temperature and light stimulated and most seem to taste so hot they are definitely plec proof and silver dollars don't seem keen either.



**CRPTOCORYNE BALANSAE 4062**

**PCA DWARF BUBBLE JADE**

MG12cm THAILAND 72-84 +++

6062 PER 5 £4.00

2062 BUNCH £3.45 (\*4)

3062 POT £4.50

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 23-29  
ACID/ALK p H 7.5-8.3  
GH 15-50  
KH 20-1000

NO4 & PO4 CONSUMPTION LOW

One of the few Crypts that must have calcium to survive and also favours more polluted phosphate rich waters in the wild where rich mineral bands have washed out from surrounding rocks. One of the tallest growing Crypts available and easy in good light.



**CRYPTOCORYNE CILIATA 4064**

MG8cm THAILAND 70-82+++

6064 PER 5 £1.85

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 22-28  
ACID/ALK p H 6.2-6.8  
GH <8  
KH ~5

NO4 & PO4 CONSUMPTION MED

The picture shows the rounder underwater leaves which occur at the base of the emersed plants supplied which have more lanceolate shaped upper leaves. Adapts well to underwater life of can be used in the terrarium

In my opinion there is no such condition as crypt disease Any leaf shedding or initial rotting is due to water change stress or moving. There can be a degree of bacterial attack in cases of poor substrate hygiene.

I pay more to source most Crypts from Sri Lanka which are grown in harder water with stronger root stock which then do better when put into UK aquarium water.

Apart from Wendtii and Becketii no crypts do very well in brand new water in newly set up tanks. Leave it a few weeks before putting in softer water types like Cordata and Griffithii etc.



**CRYPTOCORYNE CORDATA 4065**

MG 6cm MALAYSIA 75-82 ++ PCA

6065 PER 5 £2.00

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 22-28  
ACID/ALK p H 6.2.6.5  
GH <2  
KH <2

NO4 & PO4 CONSUMPTION LOW



**CRYPTOCORYNE GRIFFITHII 4066**

MG 6cm MALAYSIA 75-82 ++ PCA

6066 PER 5 £2.00

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 22-28  
ACID/ALK p H 6.2.6.5  
GH <2  
KH <2

NO4 & PO4 CONSUMPTION LOW



**CRYPTOCORYNE LUCENS 4067**

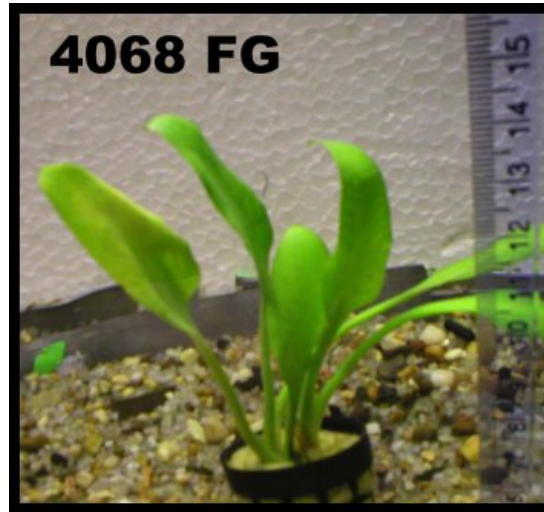
M/BG 15cm SRI LANKA 72-80 +++

6067 PER 5 £2.30

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 22-27  
 ACID/ALK p H 6.5-7.2  
 GH <2-20  
 KH 1-5

NO4 & PO4 CONSUMPTION MED



**CRYPTOCORYNE LINGUA 6068**

FG 6cm BORNEO +++

6068 PER 5 £3.20

FAVOURED WATER PARAMETERS VERY SOFT

TEMP o CELCIUS 22-28  
 ACID/ALK p H 6.2.6.6  
 GH 0.8  
 KH 1.2

NO4 & PO4 CONSUMPTION LOW



SOMETIMES SUPPLIED AS THE TALL GREEN FORM PICTURE CODE P7712

**CRYPTOCORYNE WENDTII 4069**

F/MG 10cm INDIA THAILAND 70-82 ++

One of the easiest crypts to establish like all crypts could shed a few leaves to start with but our suppliers send submersed grown forms which adapt better to U.K.

water

6069 PER 5 £1.85

7069 PER 25 £8.60

3069 POT £1.75

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 21-29  
 ACID/ALK p H 6.8-7.8  
 GH 2-25  
 KH 1-5

NO4 & PO4 CONSUMPTION MED



**CRYPTOCORYNE BECKETTII 4070**

TWAITES CRYPT

FG 5cm SRI-LANKA 70-82 ++

Quite prolific once established

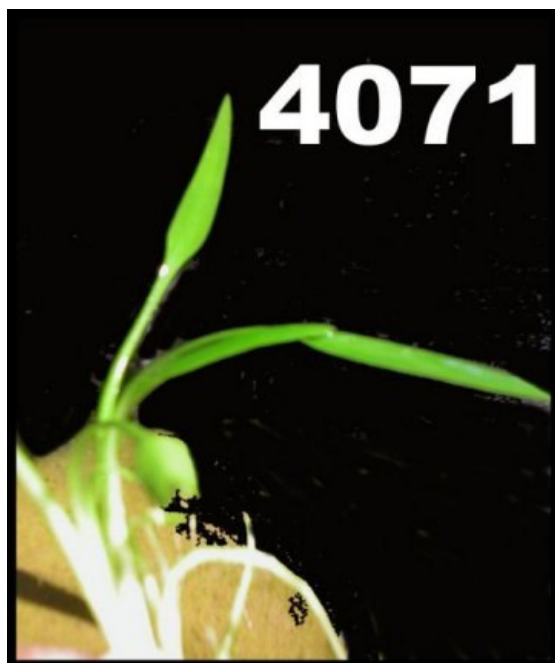
6070 PER 5 £2.00

7070 PER 25 £8.95

3070 POT £1.75

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 21-28  
 ACID/ALK p H 6.5-7.4  
 GH 1-15



**CRYPTOCORYNE X-WILLISSII/  
NEVELLII 4071 TRIMENS'S CRYPT**

FG 3cm SRI-LANKA 70-82 +++  
Like all crypts needs mature water welcomes CO2  
4071 EACH £0.85  
6071 PER 5 £2.75  
3071 POT £1.75

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 22-29  
ACID/ALK p H 6.8-7.4  
GH N/A  
KH N/A

NO4 & PO4 CONSUMPTION LOW

This is about the lowest growing crypt from stock. It is undemanding water wise but needs more light so best not to shade under other tall plants, give it space in the foreground. One of the slower growing crypts but will carpet after several months.



**CRYPT. PONTERIFOLIA 4073**

MG8cm SUMATRA 70-80 ++

A med-large broad leaf crypt tolerates most water

4073 EACH £0.90

6073 PER 5 £3.20

3073 POT £1.75

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 21-27  
ACID/ALK p H 7.0-8.5  
GH any >10  
KH 2-15

NO4 & PO4 CONSUMPTION MED

Like Balansae this crypt enjoys hard water and is about the hardiest species that I know of.

Characterised by faint pink tinge under the leaves this can spread to the upper surface in bright light conditions. Gives feeble thinner leaves when put into softer water tanks but usually survives.



**DRACENA GREEN & WHITE (EMERSED)  
DECORATIVE SEMI AQUATIC ++ 4075#**

4075 EACH £1.15

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 18-25  
ACID/ALK p H 6.5-8.3  
GH N/A  
KH N/A

NO4 & PO4 CONSUMPTION LOW

**DRACENA RED EDGED (EMERSED)  
DECORATIVE SEMI AQUATIC++ 4050#**

4050 EACH £1.15

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 18-25  
ACID/ALK p H 6.5-8.3  
GH N/A  
KH N/A

NO4 & PO4 CONSUMPTION LOW

**DRACENA ALL GREEN (EMERSED)  
DECORATIVE SEMI AQUATIC + 4204#**

4204 EACH £1.15

FAVOURED WATER PARAMETERS AS ABOVE



**CYPERUS HELFERI (EMERSED) 4077#  
PALE GREEN REED**

BG25cm THAILAND 60-80 +++  
6077 PER 5 £2.90  
7077 PER 25 £11.50

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 22-26  
ACID/ALK p H 6.8-7.5  
GH N/A  
KH N/A  
NO4 & PO4 CONSUMPTION LOW



**7079**

**ELEOCHARIS PARVULUS MINIATURE  
HAIRGRASS 7079**

FG 3cm MALAY 60-80 +++  
Supplied as a 3 TO 4cm clump as approx. 25 plants  
but too small to count so probably many more, good  
for oxygenating

7079 3-4CM CLUMP~25PLANTS £3.50

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 18-29  
ACID/ALK p H 6.2-6.8  
GH <10  
KH <2  
NO4 & PO4 CONSUMPTION MED



**4080 BG  
WITH  
4079**

**ELEOCHARIS VIVIPARA  
TALL HAIRGRASS 4080**

BG 30cm WIDESPREAD 65-80 ++  
Requires very soft water, always space the strands  
6080 PER 5 £1.15  
7080 PER 25 £5.50  
2080 BUNCH £1.75 (\*5)

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 20-31  
ACID/ALK p H 6.2-6.5  
GH <1  
KH <0.2

NO4 & PO4 CONSUMPTION MED

Unless the water is near rainwater softness you are unlikely to get this plant to thrive. In harder water all the tall leaves quickly brown off and some effort is made to throw up new leaves from the base but they never grow as tall. Can be cultivated happily part emersed with the roots in moist rich substrate



**ECHINODORUS LATIFOLIUS 4084**

**TALL CHAIN SWORD**

FG 4-6cm USA 65-80 +++  
4084 EACH £0.60  
6084 PER 5 £1.75  
7084 PER25 £6.60

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 17-26  
ACID/ALK p H 6.8-7.5  
GH N/A  
KH N/A

**NO4 & PO4 CONSUMPTION MED**

This is but one form of the many confusing types sold under the broad description of chain sword. The upper leaves are grown emersed and die back to give new broader under water forms that regularly run on chains. Not too difficult if patient.

shallow aquaria with open tops. Cross pollination is common and many confusing hybrids have arisen over the years named after the producing nurseries. Enjoy them.



**ECHINODORUS MITCHII 4085 \*\*\*  
CURVED LEAF SWORD**

MG 12cm S.USA 72-83 +++  
A nice sword with almost translucent veined leaves  
4085 EACH £0.90  
6085 PER 5 £3.45  
3085 POT £2.49

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 22-28  
ACID/ALK p H 6.5.7.4  
GH any <20  
KH <5

**NO4 & PO4 CONSUMPTION MED**

The Echinodorus or Amazon Swords all belong to the large family of broadish leaved plants Alismataceae.

Almost all originate from South America in particular the Amazon basin. They need eutrophic mature water away from the very hard side but always give the prettiest leaves in soft water and bright light. They readily reproduce on nurseries in a vegetative manner producing new plantlets on flower spikes which fall back into the water like strawberry runners along the ground. Several species will flower and do this in brightly lit



**ECHINODORUS PANICULATUS  
(BLEHERI)**

**COMMON AMAZON SWORD 4086**  
MG 15cm S.USA 72-82 +++

One of the easiest plants to grow provided plects are not present which may strip leaves off

4086 EACH £0.50  
6086 PER 5 £2.30  
7086 PER 25 £9.95  
2086 BUNCH £1.95 (\*3)

**3086 POT £2.49**

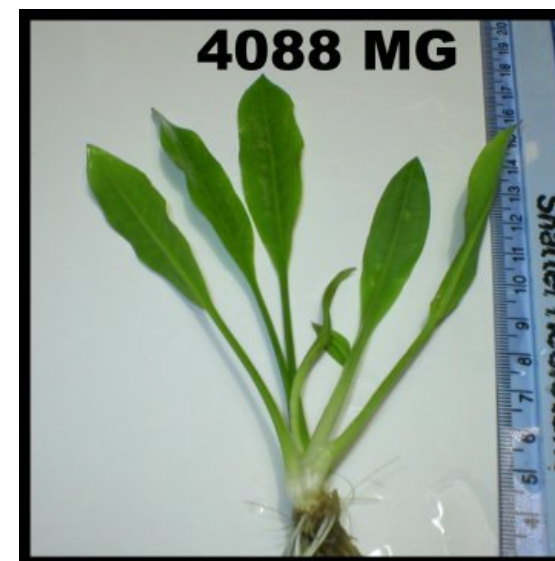
FAVOURED WATER PARAMETERS

TEMP o CELCIUS 22-28  
ACID/ALK p H 6.5.7.4  
GH any <20  
KH <5

**NO4 & PO4 CONSUMPTION MED**

**AMAZON SWORD SUPER XL**

An extra large specimen of 4086  
4087 EACH £1.05 BG35+cm  
6087 PER 5 £4.60



**ECHINODORUS BREVIPEDICELLATUS  
AMAZONICUS SWORD NARROW LEAF  
4088# (REDDISH SWORD IN BRIGHT  
LIGHT)**

MG 15cm S. USA 72-82 ++

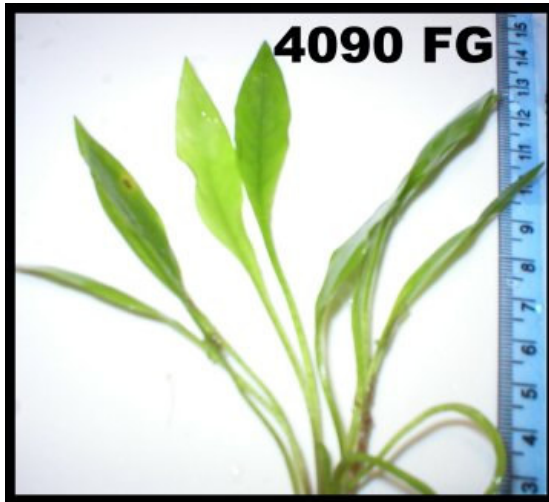
Generally even stronger & easier to grow than the standard amazon, can tolerate slightly less light & get to a large size

4088 EACH £0.70  
6088 PER 5 £2.90

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 20-28  
ACID/ALK p H 6.4-7.2  
GH N/A  
KH N/A

**NO4 & PO4 CONSUMPTION MED**



**ECHINODORUS QUADRICOSTAUS 4090  
PYGMY CHAIN SWORD BROAD LEAF**

FG 4cm CUBA 65-82 +++  
 4090 EACH £0.60  
 6090 PER 5 £1.75  
 7090 PER 25 £6.60

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 18-24  
 ACID/ALK p H 6.2-6.8  
 GH <10  
 KH <2

NO4 & PO4 CONSUMPTION MED

Not a sword for hard water, this species prefers much CO2 and light in cooler soft eutrophic water. Gives larger chains but not as easy as Tenellus.

Separate the plants to allow room for growth when pushing lightly into the fine substrate needed.



**ECHINODORUS PARVIFLORUS 4092  
BLACK SWORD TROPICA FORM**

MG 25cm S. USA 72-82 +++  
 Will shed outer leaves as the underwater leaf grows from crown will root easily  
 4092 EACH £0.85  
 6092 PER 5 £3.95  
 2092 BUNCH £1.75 (\*2)  
 3092 POT £1.95

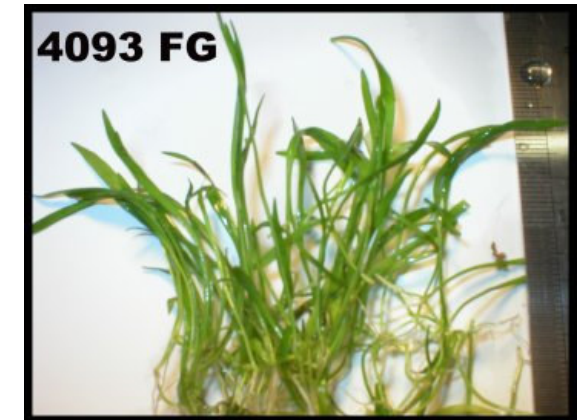
FAVOURED WATER PARAMETERS

TEMP o CELCIUS 22-28  
 ACID/ALK p H 6.8-7.8  
 GH N/A  
 KH N/A

NO4 & PO4 CONSUMPTION MED

A very nice exotic looking addition to the aquarium quite easy to establish and will give rise to underwater baby plantlets without flowering. In high iron concentrations the chlorophyll can become so intense the dark green leave can appear almost black. Beware Iron over dose as this can upset the balance of the water and produce copious amounts of unwanted filament algae.

Remember the golden rule with plants as in life, "all good things in moderation"



**ECHINODORUS TENELLUS 4093  
DWARF CHAIN SWORD**

FG4cm S USA 72-82 +++  
 Often supplied with some emerged leaves which will die off as small chains run off from the crown easy to establish but be patient as it may take several weeks  
 4093 EACH £0.60  
 6093 PER 5 £1.50  
 7093 PER 25 £6.60  
 2093 BUNCH £1.45 (\*5)

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 21-29  
 ACID/ALK p H 6.5-7.7  
 GH <20  
 KH <5

NO4 & PO4 CONSUMPTION MED

Although difficult to see from the tangled roots in the picture these are individual swords only about 2cm x 3cm tall and that is about the max. size before new ones form on the chains from which it gets its common name Easy plant given plenty of open space & light.



**ECHINODORUS CORDIFOLIUS 4094  
RADICAN SWORD EMERSED FORM**

MG15cmUSA 70-82 +++  
Will grow longer underwater leaves from crown when submersed

4094 EACH £0.90  
6094 PER 5 £3.45  
7094 PER25 £16.00

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 18-27  
ACID/ALK p H 6.5-7.8  
GH N/A  
KH N/A

NO4 & PO4 CONSUMPTION LOW



**ECHINODORUS MARBLED QUEEN 4095**  
MG 20cm USA 65-84 ++  
A beautifully marked low priced fancy sword species

4095 EACH £1.75  
FAVOURED WATER PARAMETERS  
TEMP o CELCIUS 22-29  
ACID/ALK p H 6.5-7.8  
GH N/A  
KH N/A

NO4 & PO4 CONSUMPTION MED

Actually a hybrid with a virus infected leaf giving rise to the blotches of white as a result of defective chlorophyll synthesis. Keep this plant indoors away from pond lilies as there is a remote chance of cross infection as Nymphaea was probably the host species for this virus. I have crossed this species with either Red Flame or Ozelot at the Spalding nursery and a new form which includes dark red flecks as well as the white bits has arisen but is not ready for sale yet.



**GLOSSOSTIGMA ELATINOIDES 4096**

FG 2cm NEW ZEALAND 65-84 +++  
WELCOMES SOME CO2 A POPULAR  
CARPETING PLANT, Too small to supply singly

6096 PER 5 £2.20  
7096 PER25 £10.50  
2096 BUNCH £2.75 (\*10)  
3096 POT £2.95

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 22-26  
ACID/ALK p H 6.5-7.2  
GH <15  
KH <2

NO4 & PO4 CONSUMPTION HIGH

This rare plant has been a success story at the nursery both from vegetative and seed properagation so healthy algae free stock should be available year round. Grown here in the UK I use shallow water and halide lighting

which keeps the stems short. If you are putting it in deeper water with less light you will get a reach for the sky type of growth with longer stems and less of a carpet effect similar to Micranthemum does.

Peter Bradley the famous PFK plant Guru has had good carpeting results by using little IKEA mini halogen desk lamps shining through the front of the aquarium glass. Care must be taken to stop algae growing on the glass itself though. A hungry little plant with some CO2 and bright light in the fore ground it will soon race away. There is now a discount on x50+ as they are grown in little clumps about 5cm Sq representing 50-100 single plants which I don't have to pay someone to count before sale.



**FONTINALIS ANTIPYRETICA 4097  
TROPICAL WILLOW MOSS**

FL CULTIVATED ON SITE UK 32-65 +  
4097 EACH (5CM CLUMP) £2.00  
2097 LEADED BUNCH £2.90 (\*3CM)

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 2-27  
ACID/ALK p H 6.8-7.9  
GH N/A  
KH <5

NO4 & PO4 CONSUMPTION HIGH





**ERIOCAULON CINEREUM 4099 PCA**

MG 12cm SE THAILAND 65-84 ++++

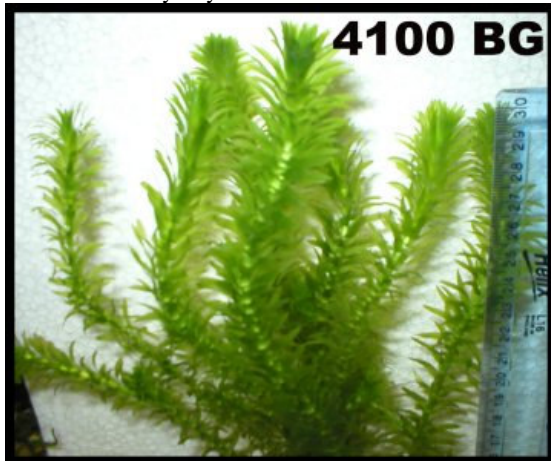
2099 BUNCH £2.00 NOW SPECIAL ORDER (\*5)

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 22-29  
 ACID/ALK p H 6.5  
 GH <5  
 KH <1

NO4 & PO4 CONSUMPTION LOW

Having trouble both finding nursery space and cultivating this difficult plant at the nursery so have now made this item to order only so please allow an extra week for delivery of your order if included



**EGERIA Densa SUPER THICK 4100#**

**ELODEA OXYGENATING**

**“GOLDFISH WEED”**

BG 30cmS.USA 50-80 ++

A well known oxygenator sold all over as goldfish weed, hardy & easy to propagate good way of removing calcium from hard water quickly

4100 EACH £0.60

6100 PER 5 £1.15

7100 PER 25 £5.50

S100 PER 50 £8.50

2100 BUNCH £1.45 (\*5)

3100 POT £1.75

**EGERIA Densa THIN STEM 4098 #**

**ELODEA OXYGENATING STANDARD**

**“GOLDFISH WEED”**

6098 PER 5 £0.80

7098 PER 25 £3.95

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 5-27  
 ACID/ALK p H 7.5-8.5  
 GH >10  
 KH >5

NO4 & PO4 CONSUMPTION HIGH



**EUSTRALIS STELLATA 4101 PCA**

**CHRISTMAS PLANT**

A very difficult species to grow perfectly underwater, Often best started as this floating EMERSED FORM SUPPLIED and then watch the lower stem sprout new feathery leaves

MG 20cm AUSTRALIA 70-80 +++

4101 EACH £1.00

6101 PER 5 £2.90

7101 PER 25 £12.75

2101 BUNCH £2.50 (\*5)

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 19-26  
 ACID/ALK p H <6.8  
 GH <1  
 KH <0.2

NO4 & PO4 CONSUMPTION LOW



**GYMNOCORONIS SPILANTHOIDES 4103**

**SPADE PLANT, CURVE HYGROPHILA**

MG 25cm S. USA 73-80 +++

Propergates same way as wisteria by cuttings

4103 EACH £0.60

6103 PER 5 £2.00

7103 PER25 £8.00

2103 BUNCH £1.45 (\*3)

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 15-28  
 ACID/ALK p H 7.5-8.0  
 GH 1-4  
 KH 1-12

NO4 & PO4 CONSUMPTION HIGH



**HYGROPHILA THICK STEM FORM 4104**

MG 20cm ASIA 64-82 ++

6104 PER 5 £2.00

7104 PER 25 £8.60

2104 BUNCH £1.45 (\*5)

FAVOURED WATER PARAMETERS

TEMP ° CELCIUS 22-28

ACID/ALK pH 7.5-8.2

GH >10 <80

KH 4-12

NO4 & PO4 CONSUMPTION VERY HIGH



**NORMAPHILA CORYMBOSA 4105**

**CHERRY LEAF STRICTA**

BG25cm MALASIA 70-82 +++

6105 PER 5 £2.00

7105 PER 25 £8.60

FAVOURED WATER PARAMETERS

TEMP ° CELCIUS 21-26

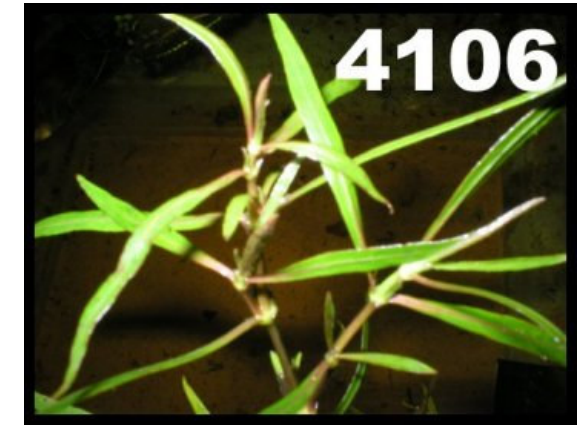
ACID/ALK pH 7.5-8.2

GH 10-25

KH 2-8

NO4 & PO4 CONSUMPTION MED

This plant often sheds lower leaves after transit to different water but re-grows quickly from tips



**HYGROPHILA LACUSTRIS 4106**

**MINI WILLOW LEAF STRICTA**

F/MG 8cm ASIA 65-80 +

6106 PER 5 £2.90

7106 PER25 £13.25

FAVOURED WATER PARAMETERS

TEMP ° CELCIUS 23-28

ACID/ALK pH 6.5-7.3

GH N/A

KH N/A

NO4 & PO4 CONSUMPTION LOW



**HYGROPHILA BROWN MINI LEAF 4107**

**HYGRO POLYSPERMA BROWN**

**SUBMERSED**

MG 20cm ASIA 65-80 +++

A vary hardy fast growing form, pinch out the growing tips after established to get bushy growth.

4107 EACH £0.60  
 6107 PER 5 £2.00  
 7107 PER 25 £8.60  
 2107 BUNCH £1.45 (\*5)

FAVOURED WATER PARAMETERS

TEMP ° CELCIUS 22-28  
 ACID/ALK p H 7.5-8.2  
 GH >10 <80  
 KH 4-12  
 NO4 & PO4 CONSUMPTION VERY HIGH



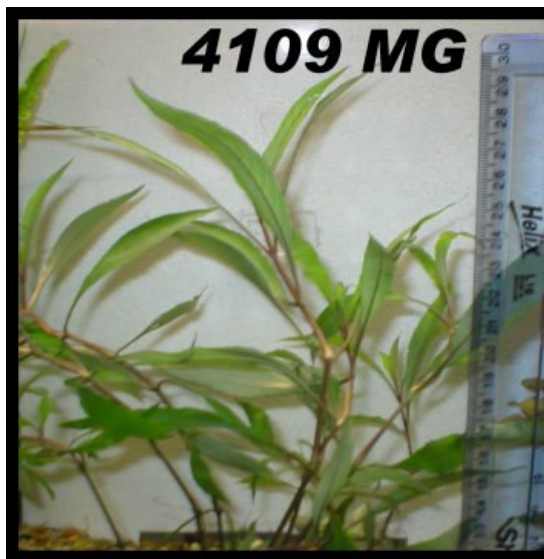
**HYGROPHILA POLYSPERMA 4108#**  
**COMMON HYGROPHILA**

MG 12cm SE ASIA 60-84 ++  
 Very hardy & easy to grow in all conditions can be fast growing

4108 EACH £0.60  
 6108 PER 5 £1.15  
 7108 PER 25 £4.25  
 S108 PER50 £7.50  
 2108 BUNCH £1.35 (\*5)  
 3108 POT £1.50

FAVOURED WATER PARAMETERS

TEMP ° CELCIUS 22-28  
 ACID/ALK p H 7.5-8.2  
 GH >10 <80  
 KH 4-12  
 NO4 & PO4 CONSUMPTION VERY HIGH



**HYGRO. THAILAND STRICTA 4109#**  
**RED STEM STRICTA**

M/BG 25cm 68-82 THAILAND ++

A hardy easy to grow woody stem stricta not needing that much light either

4109 EACH £0.60  
 6109 PER 5 £1.80  
 7109 PER 25 £8.00  
 2109 BUNCH £1.75 (\*4)  
 3109 POT £1.95

FAVOURED WATER PARAMETERS

TEMP ° CELCIUS 20-31  
 ACID/ALK p H 6.6-7.8  
 GH 5-15  
 KH 2-12

NO4 & PO4 CONSUMPTION HIGH

This fantastically hardy plant can be trimmed and trained like a privet hedge, when you get the height required, snip out the growing tip and shape the side shoots which will appear in profusion. Not too demanding of lighting unlike many other fast growing hygro's.



**HYGRO. SALICIFOLIA 4110**  
**WILLOW LEAF STRICTA**

BG 35cm ASIA 65-82 +++

A quite bulky plant that will grow bushy like 4109 with broader leaves

4110 EACH £0.60  
 6110 PER 5 £2.60  
 2110 BUNCH £1.75 (\*4)  
 3110 POT £1.95

FAVOURED WATER PARAMETERS

TEMP ° CELCIUS 22-28  
 ACID/ALK p H 7.2-8.2  
 GH N/A  
 KH N/A  
 O4 & PO4 CONSUMPTION MED



**HETERANTHERA BETTZINKIANA  
RED\*\*\***  
**MINIATURE RED WATER ROSE 4112#**  
 FG7cm MALAYSIA 70-83 +++  
 4112 EACH £0.60  
 6112 PER 5 £2.60  
 2112 BUNCH £1.45 (\*3)  
 3112 POT £1.75

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 18-27  
 ACID/ALK p H 6.8-7.8  
 GH N/A  
 KH N/A

NO4 & PO4 CONSUMPTION LOW

A very attractive plant to set off any part of an aquarium  
 Probably suited to harder water and although one of  
 these border line semi aquatic species actually produces  
 new growth under water. Worth a try for the colours



**HETERANTHERA BETTZINKIANA \*\*\***  
**GREEN WATER ROSE PLANT 4113#**

FG 7cm MALAYSIA 70-83 +++  
 4113 EACH £0.60  
 6113 PER 5 £2.60

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 18-27  
 ACID/ALK p H 6.8-7.8  
 GH N/A  
 KH N/A

NO4 & PO4 CONSUMPTION LOW



**HETERANTHERA ZOSTERIFOLIA 4114**  
**SEAGRASS PLANT**

MG 10cm BRAZIL 72-84 ++

6114 PER 5 £2.30

7114 PER25 £9.95

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 23-27  
 ACID/ALK p H 6.4-6.9  
 GH <10  
 KH 0.1-4

NO4 & PO4 CONSUMPTION HIGH

This popular fast growing species is most suited to soft  
 acidic eutrophic water with plenty of CO2 although it  
 will grow in most conditions given bright light. The size  
 and spacing of leaves is very light and pH dependent



**HYDROCOTYL LEUCOCEPHALA 4115#**  
**COMMON TROPICAL PENNYWORT**

FL/BG 25cm WIDESPREAD 60-78 +++  
 NOT FROST HARDY  
 4115 EACH £0.70  
 6115 PER 5 £2.00  
 2115 BUNCH £1.45 (\*4)  
 3115 POT £1.75

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 15-30  
 ACID/ALK p H 6.5-7.8  
 GH 2-30  
 KH 1-12

NO4 & PO4 CONSUMPTION HIGH



**HYDROCOTYL MUSHROOM  
PENNYWORT PCA 4116**

ROUND PENNYWORT NURSERY CULTIVATED  
FL/EMERSED 40-78 +++  
PLEASE NOTE WE DO NOT SUPPLY THE  
INVASIVE AMERICAN SPECIES OF  
HYDROCOTYLS LIKE RANUNCULOIDES  
4116 EACH £0.85  
2116 BUNCH £2.75 (\*3)

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 35-78  
ACID/ALK p H ANY  
GH 2-10  
KH NA  
NO4 & PO4 CONSUMPTION MED



**HYDROCOTYL SIBTHORPOIDES 4117  
LAWN MARSH PENNYWORT**

FG 4cm S.E. ASIA 70-80 +++

**4117 EACH £0.75**  
FAVOURED WATER PARAMETERS

TEMP o CELCIUS 24-28  
ACID/ALK p H 6.8  
GH <5  
KH <2

NO4 & PO4 CONSUMPTION MED

Like Glossostigma this species is doing well in shallow water and bright like at the nursery. Produces nice symmetrical leaves in rich (eutrophic) water not an easy plant but fast growing under the correct conditions.



**HEMIGRAPHIS COLORATA 4118# \*\*\*  
CRISONETTE PLANT BROAD LEAF**

MG 12cm JAVA & BORNEO 75-82 +++  
Very striking purple undersides it prefers well established water seems to prefer harder water  
Although often classed as semi aquatic this type is cultivated very wet and often thrives underwater

4118 EACH £1.15  
6118 PER 5 £5.20  
2118 BUNCH £2.00 (\*3)  
3118 POT £2.49

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 20-25  
ACID/ALK p H 7.0-8.2  
GH >10  
KH >2

NO4 & PO4 CONSUMPTION LOW



**NESAEA CRASSICAULIS PCA 4119**  
SIMILAR TO 4103 BUT WITH PINKISH LEAF TIPS (NEW IMPORT)

MG 15cm MALAYA 72-82 ++++  
4119 EACH £0.60  
6119 PER 5 £2.50  
2119 BUNCH £1.75 (\*4)

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 24-29  
ACID/ALK p H 6.2-6.5  
GH <5  
KH <2

NO4 & PO4 CONSUMPTION MED

This species is often sold in error as the very similar Ammania senagalensis which has shorter leaves and a more general pink hue. Not difficult in bright light and soft water once the tips start growing on. Like Wisteria it sheds off the lower leaves all the while.

This species rises above the water level and will sometimes flower & produce seed heads as it is the same family as Purple loosestrife grown as a pond marginal, Lythraceae family.



**HEMIGRAPHIS COLORATA 4121 \*\*\*  
NARROWER BROAD LEAF FORM**

F/MG6cm MALAYSIA 60-80 ++  
 4121 EACH £1.15  
 6121 PER 5 £4.60  
 2121 BUNCH £2.30 (\*3)  
 3121 POT £2.49

FAVOURED WATER PARAMETERS

TEMP ° CELCIUS 22-27  
 ACID/ALK p H 6.5-7.8  
 GH N/A  
 KH N/A

NO4 & PO4 CONSUMPTION LOW



**LIMNOPHILA SESSILIFLORA 4122  
SMALL AMBULIA**

MG 12cm ASIA 65-77 +++

PREFERS MED SOFT COOLER WATER ONCE  
 ESTABLISHED UNDER BRIGHT LIGHT THE  
 PINK TIPS FORM SHOWN IN PICTURE

Sometimes wrongly called aquatica shown below

6122 PER 5 £1.75  
 7122 PER 25 £6.95  
 2122 BUNCH £2.00 (\*5)

FAVOURED WATER PARAMETERS

TEMP ° CELCIUS 23-29  
 ACID/ALK p H 6.3-6.9  
 GH <10  
 KH <5

NO4 & PO4 CONSUMPTION MED



**LIMNOPHILA AQUATICA 4124**

**LARGE AMBULIA**

AS WITH 4122 AFTER SUPPLIED THE THICKER  
 STEMS OF THIS SPECIES PRODUCE PINKISH  
 UNDERWATER LEAVES IN GOOD LIGHT

BG10cm SRI LANKA 65-77 +++  
 6124 PER 5 £1.95  
 7124 PER25 £9.50  
 2124 BUNCH £1.90 (\*4)  
 3124 POT £2.95

FAVOURED WATER PARAMETERS

TEMP ° CELCIUS 22-26  
 ACID/ALK p H 6.5  
 GH <5  
 KH <1

NO4 & PO4 CONSUMPTION MED



**LUDWIGIA PALUSTRIS 4125**

**GREEN LUDWIGIA**

MG 30cm USA 60-77 ++  
 6125 PER 5 £1.15  
 7125 PER 25 £10.35  
 2125 BUNCH £1.45 (\*5)

FAVOURED WATER PARAMETERS

TEMP ° CELCIUS 18-24  
 ACID/ALK p H 6.8-7.8  
 GH 5-20  
 KH 2-12

NO4 & PO4 CONSUMPTION MED



**LUDWIGIA MULLERTII 4126#**

**RED LUDWIGIA**

BG25cm N.USA 65-78 +++

Do not crush the stems together when planting otherwise they may turn black & rot away from bas

6126 PER5 £1.15  
 7126 PER 25 £5.25  
 2126 BUNCH £1.45 (\*5)  
 3126 POT £1.75

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 17-26  
 ACID/ALK p H 6.5-7.4  
 GH 2-20  
 KH 1-5

NO4 & PO4 CONSUMPTION MED

**LUDWIGIA REPENS 4127 EXTRA RED**

**LUDWIGIA SELECTED QUALITY**

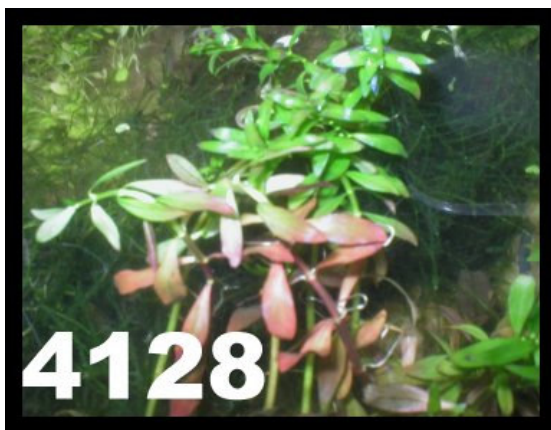
M/BG 25cm USA 60-78 +++

6127 PER 5 £2.05

7127 PER25 £6.90

2127 BUNCH £2.30 (\*5)

FAVOURED WATER PARAMETERS AS 4126



**LUDWIGIA ARCUATA 4128**

**NEEDLE LEAF RED/GREEN&RED AS AVAIL.**

MG 8cm USA 72-84 +++

6128 PER 5 £1.50

7128 PER 25 £6.30

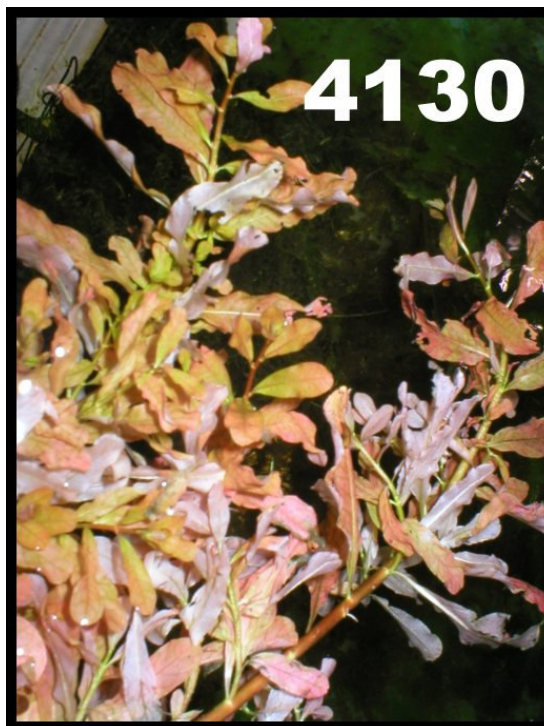
FAVOURED WATER PARAMETERS

TEMP o CELCIUS 22-28  
 ACID/ALK p H 6.4-6.9  
 GH <5  
 KH <2

NO4 & PO4 CONSUMPTION MED

This plant only forms the pinkish submersed leaves in soft water and bright light, grown emersed from surface

cuttings in hard water you will get pure green narrow leaves more like a form of rotala



**LUDWIGIA INCLINATA 4130**

**YELLOW LUDWIGIA**

MG25cmS.USA 75-80 +++

6130 PER 5 £2.30

7130 PER25 £10.35

2130 BUNCH £2.90 (\*5)

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 24-28  
 ACID/ALK p H 6.3-6.8  
 GH <5  
 KH <1

NO4 & PO4 CONSUMPTION LOW

A tricky plant needing bright light and soft water and plant friendly fish as the leaves are very tender. No other plant gives such texture and colour except perhaps the Rotala Macrantha code 4161.



**LUDWIGIA NATANS 4129#**

**RED AND GREEN LUDWIGIA**

BG 30cmN.USA 65-78 ++

A very hardy variety growing well in most situations including cold water set ups

4129 EACH £0.60

6129 PER 5 £1.20

7129 PER 25 £5.25

2129 BUNCH £1.45 (\*5)

3129 POT £1.75

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 20-25  
 ACID/ALK p H 7.0-7.5  
 GH 5-10  
 KH 1-3

NO4 & PO4 CONSUMPTION HIGH



**LUDWIGIA OVALIS 4215**

MG 20cm ASIA 72-80 +++

4215 EACH £0.60

6215 PER 5 £1.75

2215 BUNCH £1.45 (\*5)

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 24-29  
 ACID/ALK p H 6.5-7.3  
 GH 5  
 KH <2  
 NO4 & PO4 CONSUMPTION MED

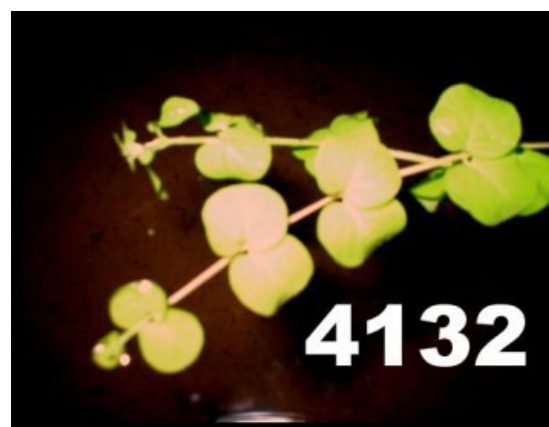
4131 EACH £0.50  
 6131 PER 5 £1.15  
 7131 PER 25 £4.50  
 2131 BUNCH £1.35 (\*6)  
 3131 POT £1.50

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 12-29  
 ACID/ALK p H 6.5-8.5  
 GH >10  
 KH >2

NO4 & PO4 CONSUMPTION HIGH

This is a very easy plant that will climb out of the water and grow over the edges of the tank hence its name. Very hardy and undemanding plant.



**LYSSIMANCHIA AUREA 4132**

**GOLDEN CREEPING JENNY**

MG15cm ASIA 60-84 +++

A rampant grower in most conditions soon forming dense masses of rooted stems, will require thinning

4132 EACH £0.55

6132 PER 5 £2.05

7132 PER 25 £7.95

2132 BUNCH £1.75 (\*5)

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 14-27  
 ACID/ALK p H 6.5-7.8  
 GH N/A  
 KH N/A

NO4 & PO4 CONSUMPTION HIGH



**MARSILEA CRENATA 4133**

**DWARF 4 LEAF CLOVER PLANT**

FG 3cm ASIA 60-82 +

6133 PER 5 £2.30

7133 PER25 £9.75

2133 BUNCH £1.75 (\*5)

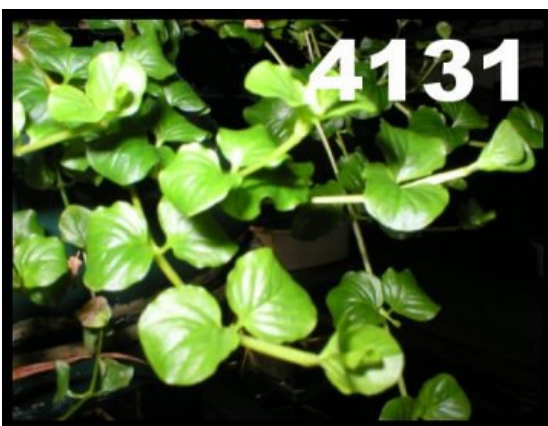
3133 POT £2.50

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 15-31  
 ACID/ALK p H 6.5-7.8  
 GH 2-30  
 KH >2

NO4 & PO4 CONSUMPTION HIGH

Imported 1990 probably the only original true dwarf type in UK today An undemanding fore ground plant that runs off in chains of leaves GROWN ON SITE



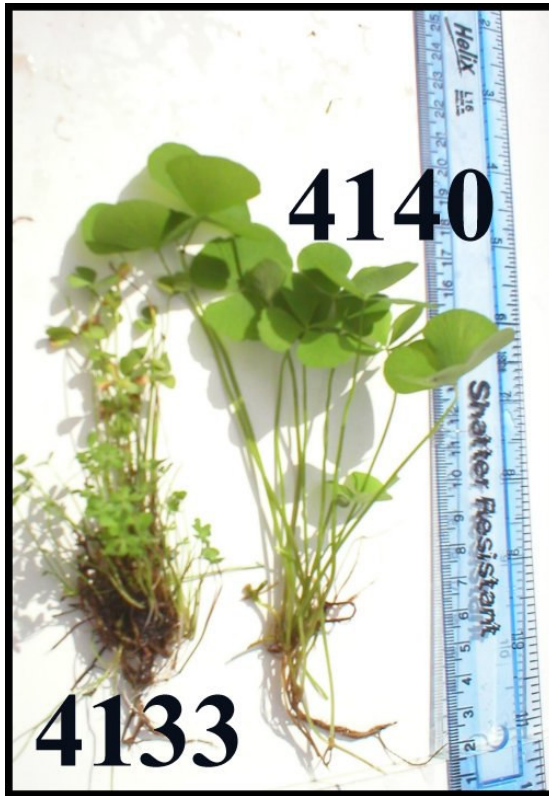
**LYSSIMANCHIA NUMMULARIA 4131#**

**CREEPING JENNY, MONEYWORT**

MG 15cm WIDESPREAD 60-84 +++

A rampant grower in most conditions soon forming dense masses of rooted stems, will require thinning





**MARSILEA QUADRIFOLIA 4140  
STANDARD 4 LEAF CLOVER**

F/MG7cm	ASIA	65-82	++
4140	EACH PER CHAIN 3-4 LEAVES		£1.75
2140	BUNCH (*5)		£2.75
3140	POT		£2.49

FAVOURED WATER PARAMETERS

TEMP o CELCIUS  
ACID/ALK p H  
GH  
KH  
NO4 & PO4 CONSUMPTION



**MICROSORIUM PTEROPUS 4134#  
JAVA FERN TRUE FORM**

WR/MG 20cm BORNEO & JAVA 65-88 ++

This is the thick stem true aquatic form and not the thin stem heteroclita bolbtis species often sold

4134	EACH	£0.70
6134	PER 5	£3.20
7134	PER25	£13.50
2134	BUNCH	£2.00 (*4)

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 18-33  
ACID/ALK p H 7.8-8.6  
GH >10  
KH >2  
NO4 & PO4 CONSUMPTION LOW



**M. PTEROPUS WINDELOV 4135#  
CULTIVATED HYBRID**

WR10cm ASIA 65-88 ++

A curious rare subspecies with tufted leaves

4135	EACH	£1.10
6135	PER 5	£4.50
2135	BUNCH	£2.95 (*4)

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 22-30  
ACID/ALK p H 7.6-8.4  
GH >5  
KH >2  
NO4 & PO4 CONSUMPTION LOW



**MYGRIOPHYLLUM MATOGROSSENSE**

**4136# RED MYGRIOPHYLLUM \*\*\***

BG 30cmUSA 55-75 +++

Does best in cooler water as oxygenator needs much light to retain colour

6136 PER 5 £1.60  
 7136 PER 25 £6.95  
 2136 BUNCH £1.45 (\*5)  
 3136 POT £1.75

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 10-23  
 ACID/ALK p H 6.5-6.9  
 GH <3  
 KH <3

NO4 & PO4 CONSUMPTION MED



**MYGRIOPHYLLUM ELATINOIDES 4137#**

**FINE LEAF GREEN MYGRIOPHYLLUM**

BG 25cmBRAZIL 50-77 +++

6137 PER5 £1.60  
 7137 PER 25 £6.95  
 2137 BUNCH £1.75 (\*7)

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 18-29  
 ACID/ALK p H 6.7-7.4  
 GH 3  
 KH 2-12

NO4 & PO4 CONSUMPTION HIGH



**MYGRIOPHYLLUM SCRABRATUM 4139#**

**THICK GREEN MYGRIOPHYLLUM \*\*\***

BG 30cmUSA 55-80 ++

Again best in cooler water as an oxygenator

6139 PER 5 £1.60  
 7139 PER 25 £6.95  
 2139 BUNCH £1.45 (\*5)  
 3139 POT £1.75

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 18-24  
 ACID/ALK p H 6.6-7.8  
 GH <5  
 KH <10

NO4 & PO4 CONSUMPTION HIGH



**MICRAMTHEMUM(HEMIANTHUS)**

**MICRANTHEMOIDES 4141**

**SMALL HELSINE**

FG3cm CUBA 72-84 +++

VERY DAINTY PLANT PREFERS SOFT WATER

6141 PER5 £1.75  
 7141 PER25 £6.95  
 2141 BUNCH £2.30 (\*5)  
 3141 POT £2.49

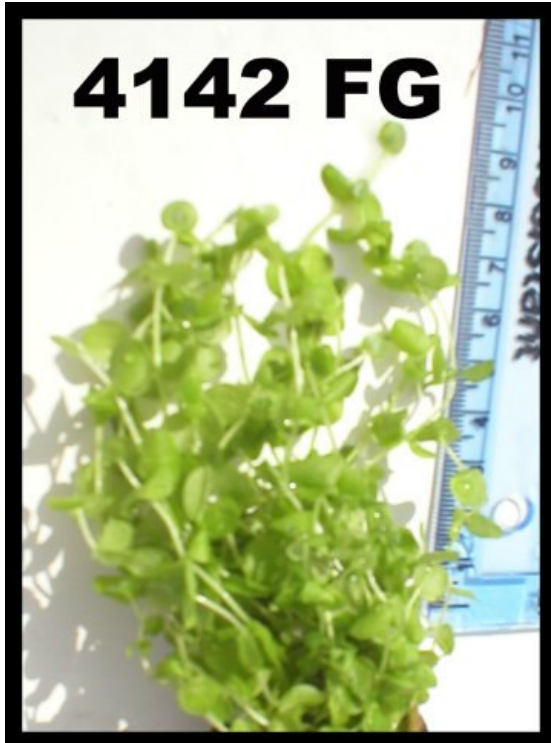
FAVOURED WATER PARAMETERS

TEMP o CELCIUS 24-28  
 ACID/ALK p H 6.5-7.0  
 GH <3  
 KH <5

NO4 & PO4 CONSUMPTION MED

Not too demanding providing the water is mature.

Good light and some CO2 are essential



**4142 FG**

**MICRANTHEMUM UMBROSUM 4142**

FG4cm USA 72-80 +++

6142 PER 5 £2.30

7142 PER 25 £10.35

2142 BUNCH £2.50 (\*5)

3142 POT £2.75

FAVOURED WATER PARAMETERS

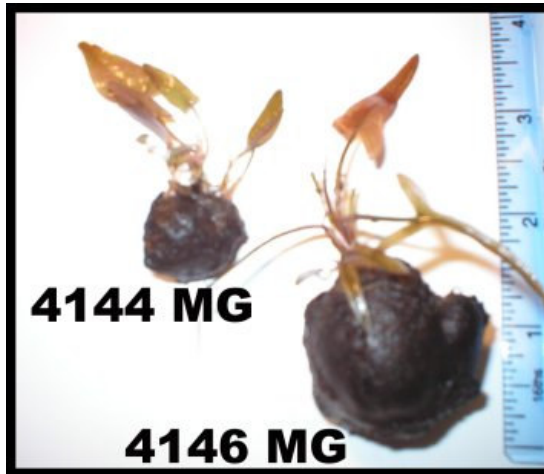
TEMP ° CELCIUS 24-28

ACID/ALK pH 6.5-7.0

GH <3

KH <5

NO4 & PO4 CONSUMPTION MED



**NYPHAEA STELLATA BULB 4144**

**RED TROPICAL LILY BULB**

MG10cmASIA/ AFRICA 72-84 ++

Often supplied with a growing plant on top do not bury the bulb

4144 EACH £0.70

6144 PER 5 £2.75

7144 PER 25 £12.75

FAVOURED WATER PARAMETERS

TEMP ° CELCIUS 24-31

ACID/ALK pH 6.5-7.5

GH 2-15

KH 4-10

NO4 & PO4 CONSUMPTION MED

**NYPHAEA JAPONICUS 4146**

**THAILAND TROPICAL LOTUS LILY**

MG25cm THAILAND 75-84 ++

Generally grows larger than 4144 with leaf to surface

4146 EACH £1.00

6146 PER 5 £4.50

7146 PER 25 £19.75

FAVOURED WATER PARAMETERS

TEMP ° CELCIUS 24-32

ACID/ALK pH 6.5-7.8

GH 2-20

KH 4-15

NO4 & PO4 CONSUMPTION MED



**NYPHOIDES AQUATICA 4145**

**BANANA PLANT VERY SEASONAL**

MG10cmUSA 65-78 +++

Only available a few times a year please check availability or list substitute when ordering PCA

4145 EACH £3.25

6145 PER 5 £13.95

FAVOURED WATER PARAMETERS

TEMP ° CELCIUS 22-26

ACID/ALK pH 7.0

GH <5

KH <2

NO4 & PO4 CONSUMPTION LOW

This is a difficult plant to keep the attractive tubers on, they are sugar stores and once the surface leaves and flowers are formed they will be replaced by white roots and more juvenile underwater leaves



**NYMPHAEA MACULATA 4147**

**RED AFRICAN TIGER LOTUS LILY**

BG30cm SW AFRICA 75-84 ++

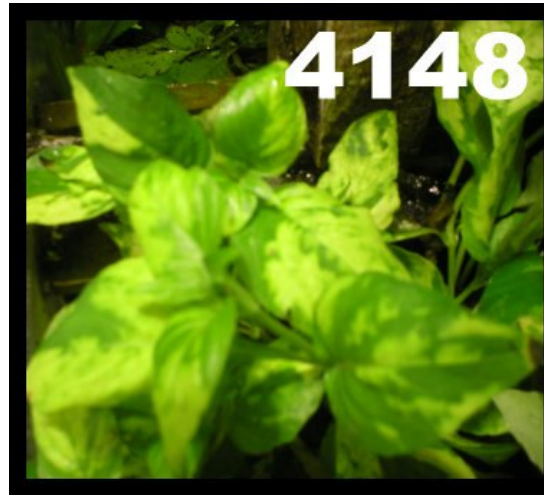
Can only be supplied as POT/BUNCH only since these are better value to import and more established. It grows off a large rhizome which makes it impossible for wild harvesting it must have soft mature water rather delicate but very nice

**2147 BUNCH £4.50 (\*3)**

**3147 POT £5.75**

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 24-29  
 ACID/ALK p H 6.5-7.2  
 GH <10  
 KH <5  
 NO4 & PO4 CONSUMPTION MED



**NORMAPHILA VARIEGATED 4148**

MG 25cm ASIA 62-82 +++

An attractive form that can be grown both underwater and in the terrarium when it may flower

**4148 EACH £1.15**

**6148 PER 5 £5.20**

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 22-28  
 ACID/ALK p H 6.8-7.8  
 GH N/A  
 KH N/A

NO4 & PO4 CONSUMPTION MED

A strange artificial cultivar which probably has chlorophyll damaging virus in the leaves to give the blotching. Can be grown above and below water.



**NURPHUR JAPONICUM 4149**

**(SPATTERDOCK)**

MG 15cm JAPAN 60-82 ++

**4149 EACH £5.75**

**6149 PER 5 £25.00**

**P7767 POTTED £6.80**

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 18-28  
 ACID/ALK p H 7.2-8.6  
 GH >10  
 KH >15

NO4 & PO4 CONSUMPTION MED

This plant will only thrive where calcium is present It can form translucent underwater leaves or large surface lily types and has a yellow flower above the surface

Do not bury the rhizome just weight down on the substrate and allow the white roots to form and anchor in place



**NORMAPHILA STRICTA 4150**  
**COMMON STRICTA**

MG 30cm MALAYA 72-78 ++  
 The most intensely red semi aquatic plant available  
 6150 PER5 £2.90  
 2150 BUNCH £1.75 (\*4)

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 22-28  
 ACID/ALK p H 6.8-7.5  
 GH N/A  
 KH N/A  
 NO4 & PO4 CONSUMPTION LOW



**NORMAPHILA SIAMENSIS 4151**  
**BLUE STRIPED STRICTA**

BG 25cmMALAYA 72-80 ++  
 The strictas are small shrub or tree cuttings from  
 swamp species that can tolerate regular flooding

4151 EACH £0.70  
 6151 PER 5 £2.90  
 2151 BUNCH £1.75 (\*4)  
 3151 POT £2.49

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 22-28  
 ACID/ALK p H 6.8-7.5  
 GH N/A  
 KH N/A  
 NO4 & PO4 CONSUMPTION LOW



**NORMAPHILA/HEMIGRAPHIS 4152**  
**BLOOD RED STRICTA**

MG20cmMALAYA 72-78 +++  
 4152 EACH £0.70  
 6152 PER 5 £1.75  
 2152 BUNCH £1.75 (\*4)

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 18-25  
 ACID/ALK p H 6.8-7.2  
 GH N/A  
 KH N/A  
 NO4 & PO4 CONSUMPTION LOW



**ROOTALA WALLISSII 4159**  
**RED FEATHER AMBULIA**

MG12cmASIA 70-80 +++  
 A delicate red plant needing much light and mature  
 water to grow

6159 PER 5 £1.15  
 7159 PER 25 £5.20  
 2159 BUNCH £1.45 (\*7)  
 3159 POT £1.75

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 24-27  
 ACID/ALK p H 6.3-6.9  
 GH <3  
 KH <5  
 NO4 & PO4 CONSUMPTION MED



**ROOTALA INDICA (ROUNDIFOLIA)**

**4160 PINK LEAF ROTALA**

MG 15cm INDIA 72-80 +++  
 6160 PER 5+ £1.50  
 7160 PER 25 £5.75  
 2160 BUNCH £1.45 (5)

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 23-28  
 ACID/ALK p H 6.3-7.2  
 GH <10  
 KH <5  
 NO4 & PO4 CONSUMPTION MED



**ROOTALA MACRANDRA 4161**

**RED BACOPA**

MG 15cm SRI 72-78 +++  
 6161 PER 5 £1.75  
 7161 PER 25 £8.50  
 2161 BUNCH £1.95 (\*4)  
 3161 POT £2.25

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 24-28  
 ACID/ALK p H 6.5-7.0  
 GH <5  
 KH <3  
 NO4 & PO4 CONSUMPTION MED

This is a lovely attractive plant but not very compatible with nibblers for fish. Ideal in discus and tetra set ups with softer water. Need plenty of feeding and never seems to suffer from algae.



**SHINNERSIA RIVULARIS 4162**

**MEXICAN OAK LEAF PLANT**

MG 15cm MEXICO 65-82 ++  
 6162 PER 5 £2.30  
 7162 PER 25 £9.25  
 2162 BUNCH £1.75 (\*5)

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 24-27  
 ACID/ALK p H 6.5-7.0  
 GH <10  
 KH <6

NO4 & PO4 CONSUMPTION HIGH

A very fast growing plant preferring softer acid conditions



**SAGITTARIA NATANS**

4163

**DWARF SAGITTARIA**

FG3cm USA 65-80 ++

Propagates in chains, a very easy plant

4163 EACH £0.60

6163 PER 5 £1.85

7163 PER 25 £8.75

2163 BUNCH £1.45 (\*4)

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 20-29

ACID/ALK p H 6.5-7.4

GH &gt;5

KH &gt;2

NO4 &amp; PO4 CONSUMPTION MED

**SAGITTARIA SABULATA 4165****NARROW SAGITTARIA**

Larger &amp; with broader softer leaves than 4163

MG5 USA 65-80 ++

4165 EACH £0.60

6165 PER 5 £1.85

7165 PER 25 £8.60

2165 BUNCH £1.45 (\*4)

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 22-29

ACID/ALK p H 6.3-6.9

GH &lt;5

KH &lt;3

NO4 &amp; PO4 CONSUMPTION MED

Most of the Sag. Species are quite fast growing once established and do not need too much light for fore ground plants. Best planted with some spaces between to allow for the properagation of baby plants along side the parent

**TRICHOMANES JAVANICUM (EMERSED)****4164# AQUA FERN DECORATIVE ONLY**

FG MALAYA 60-80 +

4164 EACH £0.70

6164 PER 5 £2.90

2164 BUNCH £1.45 (\*4)

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 18-24

ACID/ALK p H ANY

GH N/A

KH N/A

NO4 &amp; PO4 CONSUMPTION LOW

A decorative species that stays green longer in soft water  
Complexly plec and goldfish proof but does not grow much submersed.

**SAGITTARIA PLATYHYLLA 4166****SPONGY LEAVED SAG.**

MG 10cm USA 65-80 ++

6166 PER 5 £1.85

7166 PER 25 £8.60

2166 BUNCH £1.45 (\*4)

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 24-27

ACID/ALK p H 6.3-6.9

GH &lt;3

KH &lt;5

NO4 &amp; PO4 CONSUMPTION MED

One of the more demanding species, sometimes supplied as semi-emersed in which case the underwater leaves form from the crown



**SAGITTARIA LILEOPTERIS 4167**

**MICRO/CARPET SAGITTARIA**

FG 2cm USA 65-80 ++  
 Can be floated or allowed to cover the gravel  
**VERY HARDY FOREGROUND PLANT**

4167 EACH £0.85 /3CM CLUMP

6167 PER 5 £3.95

7167 PER 25 £17.95

1603 ON 15X9CM NET PAD £8.00

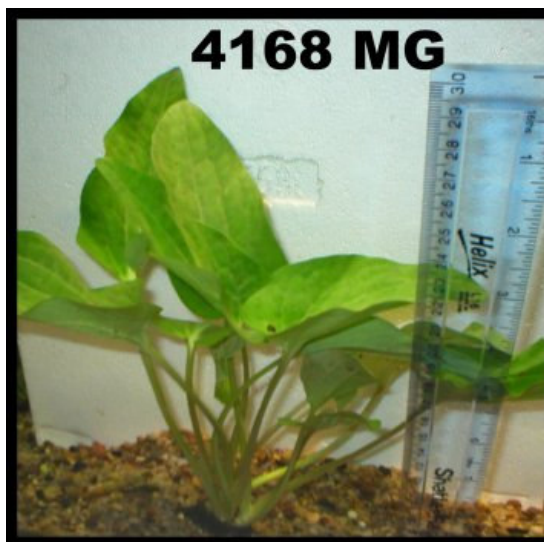
2167 BUNCH £1.45 (\*4CM)

FAVOURED WATER PARAMETERS

TEMP o CELCIUS	18-27
ACID/ALK p H	6.5-7.8
GH	N/A
KH	N/A

NO4 & PO4 CONSUMPTION MED

Supplied as a mass of plants and roots, you can pull apart or plant as clumps and can be purchased as ready made tiles. Very reliable and commonly used carpeting species



**SAURURUS CERNEUS 4168**

**AMERICAN LIZARD TAIL**

A hardy plant with spade like leaves can grow to a good specimen size so allow room

MG 8cm N.USA 60-82 ++

4168 EACH £0.60

6168 PER 5 £2.60

2168 BUNCH £1.45 (\*3)

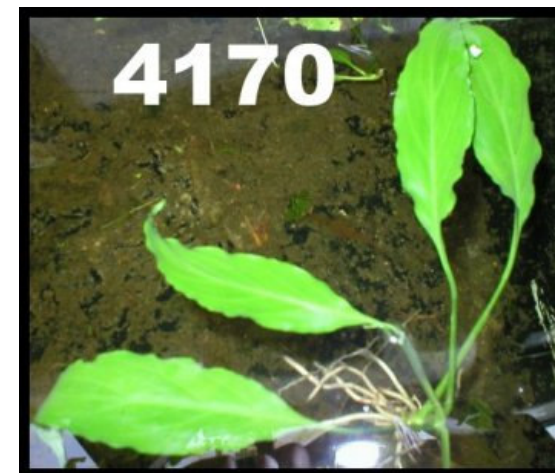
3168 POT £1.75

FAVOURED WATER PARAMETERS

TEMP o CELCIUS	5-25
ACID/ALK p H	ANY
GH	N/A
KH	N/A

NO4 & PO4 CONSUMPTION LOW

Watch out for this one as although there might not be much top foliage, after several months it will have sent roots down to Australia and be difficult to separate from and sub substrate filter plates etc. Very hardy even as a pool marginal.



**SPATYPHYLLUM WALLISSII 4170**

**TOUGH LEAF SWORD**

MG 10cm S. USA 60-84 ++

A very durable plant, goldfish & plec proof requiring some space to spread its leaves, quite a large plant.

4170 EACH £1.15

6170 PER 5 £5.20

FAVOURED WATER PARAMETERS

TEMP o CELCIUS	18-29
ACID/ALK p H	ANY
GH	N/A
KH	N/A

NO4 & PO4 CONSUMPTION LOW

An easy very goldfish and Plec proof plant that slowly grows away under water about a leaf or two a month forming quite a deep robust root stock in time  
 Leaves can be cleaned with sponge or scourer against algae formation if placed in too brighter light





**UTRICULARIA SANDERSONII PCA 4173**

FG/FLOATING 2cm 75-80 +++

AVAILABLE EARLY SUMMER ONLY PCA

Grown here at our nursery unless we loose the culture should be available year round. A new species to us it seems to be best floated when white flowers appear above the surface. It is insectivorous like the other bladderworts and supplements its diet with small flies and midges

4173 EACH PER 1-2CM £1.75

6173 PER 5 £8.75

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 24-28  
 ACID/ALK p H 6.3-7.0  
 GH <1  
 KH <1  
 NO4 & PO4 CONSUMPTION MED



**UTRICULARIA VULGARIS 4174**

**LONG LEAVED INSECTIVOROUS PLANT**

FL 15cm AUSTRALIA 50-80 ++

6174 PER 5 £3.45

7174 PER25 £12.50

2174 BUNCH £2.50 (4)

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 22-27  
 ACID/ALK p H 6.5-7.2  
 GH 2-15  
 KH 1-12

NO4 & PO4 CONSUMPTION HIGH

Never roots but will grow fast along the surcae with CO2 and good light



**UTRICULARIA GIBA 2-3CM CLUMPS 4175**

**SHORT LEAVED INSECTIVOROUS PLANT**

FL AUSTRALIA 45-82 +++

4175 EACH £1.15

6175 PER 5 £5.20

7175 PER 25 £5.75

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 15-24  
 ACID/ALK p H 6.5-7.0  
 GH <5  
 KH <3

NO4 & PO4 CONSUMPTION MED

This plant can be fed with baby live water fleas if the fish don't get there first. The lighting has to be just the correct intensity (trial & error) or algae will develop in the thallus.



**VESICULARIS DUBYANA 4176**

**TRUE JAVA MOSS**

FG/WR2 ASIA 70-88 +

SOLD IN 3CM CLUMPS

The genuine article not the pale sphagnum moss sold in some shops

4176 EACH CLUMP £1.15

6176 PER 5 £5.20

7176 PER 25 £23.00

2176 BUNCH £1.75 (\*3cm)

4501 ON WOOD 5-6CM £11.75

4530 ON COCUNUT £8.00

4701 ON VOLCANIC ROCK 5.75

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 18-30  
 ACID/ALK p H 6.5-7.2

GH 2-10  
 KH 1-12  
 NO4 & PO4 CONSUMPTION MED

Very flexible plant, can be tied or layed on just about any décor and micro spores will attach new growth to it. Be careful not to allow too much dirt to collect in it or photosynthesis will be inhibited and the moss brown up and fail. Likes a little water flow and can be rinsed clean regularly



**VALLISNERIA TORTA 4177**  
**TWISTED/CORCKSCREW VALLIS**

MG 10cm ASIA 65-82 ++

Despite popular opinions I find this plant prefers hard water rich in free calcium, I root it in coral sand but it is very adaptable and hence popular plant in all types of aquaria, very soft water may cause leaves to brown

4177 EACH £0.60  
 6177 PER 5 £1.15  
 7177 PER 25 £4.20  
 S177 PER50 £8.00  
 2177 BUNCH £1.45 (\*5)  
 3177 POT £1.75

FAVOURED WATER PARAMETERS

TEMP ° CELCIUS 22-28

ACID/ALK p H 7.2-8.5  
 GH >10  
 KH >5

NO4 & PO4 CONSUMPTION MED  
**VALLISNERIA ASIATICA 4178**  
**GIANT TWISTED VALLIS**

MG 15cm ASIA 70-82 +++

Twice the size of the conventional species again prefers harder water but adaptable

4178 EACH £0.90  
 6178 PER 5 £2.80  
 7178 PER 25 £12.75  
 2178 BUNCH £1.75 (\*4)  
 3178 POT £1.95

FAVOURED WATER PARAMETERS

TEMP ° CELCIUS 22-29  
 ACID/ALK p H 7.5-8.8  
 GH >15  
 KH >10  
 NO4 & PO4 CONSUMPTION MED



**VALLISNERIA SPECIAL MIX 4179**

MIXED TYPES OUR CHOICE

4179 PER 50 £10.95

FAVOURED WATER PARAMETERS

TEMP ° CELCIUS 24-29  
 ACID/ALK p H 6.8-8.2  
 GH >5  
 KH >5  
 NO4 & PO4 CONSUMPTION MED



**VALLISNERIA SPIRALIS 4180**

**STRAIGHT VALLIS**

BG 25cm N. AFRICA 70-82 +++

A commonly used background plant to form curtains for discus to swim up & down etc. Needs a little calcium though

6180	PER 5	£1.00
7180	PER 25	£4.50
S180	PER50	£8.00
2180	BUNCH	£1.45 (*5)
3180	POT	£1.75

FAVOURED WATER PARAMETERS

TEMP o CELCIUS	22-30
ACID/ALK p H	7.2-7.8
GH	>5
KH	>5

NO4 & PO4 CONSUMPTION HIGH

**VALLISNERIA GIGANTEA 4181**

**GIANT STRAIGHT VALLIS**

BG 35+cm CHINA 70-86 ++

A good tall strong plant growing in almost all water conditions, rooting strongly into substrate

6181	PER5	£2.30
7181	PER25	£10.95
2181	BUNCH	£1.95 (*4)
3181	POT	£2.25

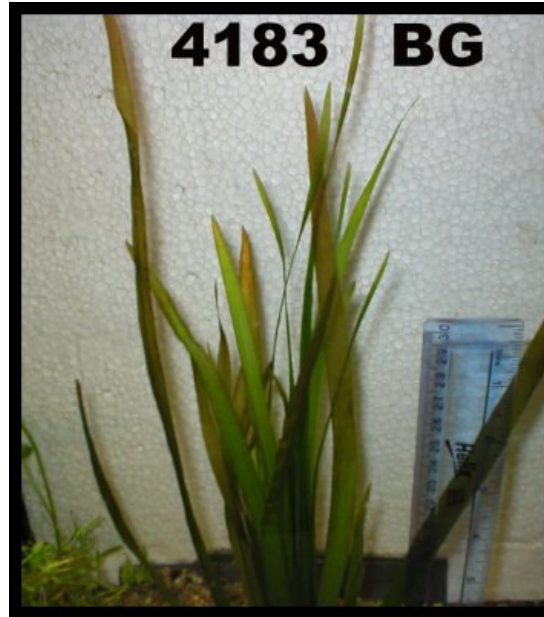
FAVOURED WATER PARAMETERS

TEMP o CELCIUS	22-29
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ACID/ALK p H	6.5-7.5
GH	2-50
KH	2-40

NO4 & PO4 CONSUMPTION HIGH

A very hardy species that sometimes suffers a little transit damage to the tips on account of its long length when packing but grows very quickly from the base and can invade substantial areas of the background



**VALLIS. SPIRALIS RUBRA 4183**

**LARGE RED STRAIGHT VALLIS**

BG 30 cm INDONESIA 70-86 +++

A larger leaved version of 4180 and with red tint

6183	PER 5	£2.30
7183	PER 25	£10.95
2183	BUNCH	£1.95 (*4)
3183	POT	£2.25

FAVOURED WATER PARAMETERS

TEMP o CELCIUS	23-30
ACID/ALK p H	6.8-7.8
GH	>2
KH	>3

NO4 & PO4 CONSUMPTION HIGH

Another very strong grower with brownish red tinge under most lighting levels



**DIDIPLIS DIANDRA GREEN 4196**

**WATER HEDGE PLANT**

FG 4cm N. USA	65-82	++
6196	PER 5	£2.30
7196	PER 25	£9.75
2196	BUNCH	£2.50 (*5)

FAVOURED WATER PARAMETERS

TEMP o CELCIUS	22-27
ACID/ALK p H	6.5-7.3
GH	2-10
KH	1-5

NO4 & PO4 CONSUMPTION LOW

A nice addition to the Foreground forming the pink leaves shown in some books under very soft water and high light conditions only



**HYGROPHILA DIFFORMIS 4198**

**WATER WISTERIA**

BG 25cm S.E. ASIA 74-82 +++

A superb bushy plant easily grown but tends to lose its lower leaves in time and requires replanting

4198 EACH £0.70

6198 PER 5 £1.75

7198 PER 25 £7.75

2198 BUNCH £1.45 (\*4)

3198 POT £1.75

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 24-28  
ACID/ALK pH 6.5-7.2  
GH 5-10  
KH 2-12

NO4 & PO4 CONSUMPTION HIGH

Quite a narrow temperature & pH range to get the best from this plant, fast growing it needs periodic basal cutting and re-planting from where the arial roots start



**SELAGINELLA WILDENOWII 4201#  
GREEN UMBRELLA FERN**

MG 20cm MALAYA 60-84 +

4201 EACH £1.00

6201 PER 5 £2.90

2201 BUNCH £1.75 (\*4)

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 18-32  
ACID/ALK pH 6.5-7.5  
GH N/A  
KH N/A

NO4 & PO4 CONSUMPTION ILOW



**NEW GREEN FERN SELAGINELLA**

**SPECIES DWARF 4202**

FG 5cm ASIA 55-75 +++

4202 EACH £1.00

6202 PER 5 £2.90

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 22-29  
ACID/ALK pH 6.5-7.8  
GH N/A  
KH N/A

NO4 & PO4 CONSUMPTION LOW



**LOBELIA CARDINALIS 4203  
LOBELIA RED SPECIES**

FG 5cm USA 65-75 +++

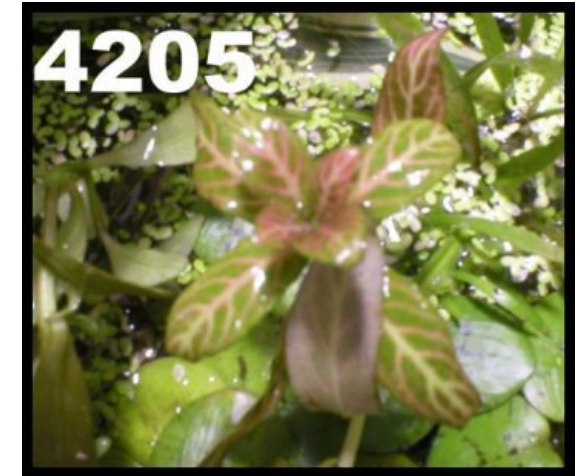
4203 EACH £1.00

6203 PER 5 £3.90

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 22-26  
ACID/ALK pH 6.5-7.2  
GH 2-10  
KH 1-5

NO4 & PO4 CONSUMPTION LOW



**HYGROPHILA ROSANERVIS 4205  
PINK VEINED HYGROPHILA**

MG 1cm MALAYSIA 65-82 +++

A nice contrast to common hygrophila and almost hardy, you will need several plants for the effect

4205 EACH £0.60

6205 PER 5 £1.75

7205 PER 25 £6.95

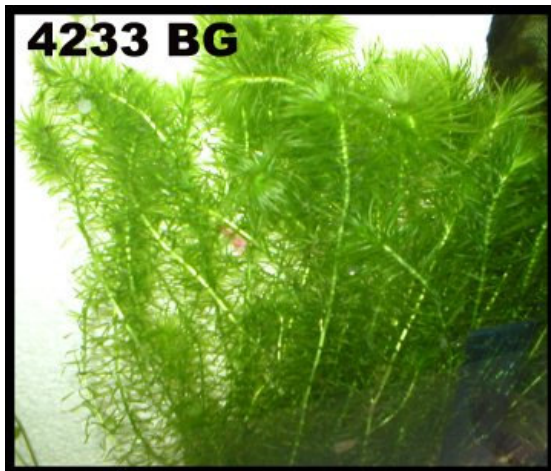
2205 BUNCH £1.75 (\*5)

3205 POT £2.25

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 22-28  
ACID/ALK pH 6.4-7.2  
GH <10  
KH <20

NO4 & PO4 CONSUMPTION HIGH



**4233 BG**

**HYDRILLA VERTICILLATA 4233# \*\*\***

**AFRICAN POND WEED**

BG 25cm AUSTRALIA/AFRICA 60-82 ++

A dainty imitation of elodea CAN BE INVASIVE IN MILD COUNTIES NEVER PLACE IN WILD WATERWAYS DOING SO WILL BE AN OFFENCE

4233 EACH £0.60

6233 PER 5 £1.75

7233 PER 25 £6.95

2233 BUNCH £1.75 (\*5)

FAVOURED WATER PARAMETERS

TEMP ° CELCIUS	10-29
ACID/ALK p H	6.7-7.8
GH	>5
KH	>2

NO4 & PO4 CONSUMPTION HIGH

This species could be invasive so never place in native waterways as many of our own aquatic species are being out competed by alien invaders. Always burn or compost in the garden, Don't flush down the loo.

Very fast growing needing softer water than its lookalike Elodea quite a high light requirement too.



**4234 BG**

**HYGRO.AUGUSTIFOLIA 4234**

**BLUE STRICTA NARROW LEAF**

BG 25cmE. ASIA 65-80 +++

4234 EACH £0.60

6234 PER 5 £2.30

2234 BUNCH £1.75 (\*4)

FAVOURED WATER PARAMETERS

TEMP ° CELCIUS	22-27
ACID/ALK p H	6.5-7.5
GH	N/A
KH	N/A

NO4 & PO4 CONSUMPTION LOW



**4236 MG**

**MYACCA FLUVIATILIS 4236**

**BRAZILIAN MYACCA**

MG 15cm S. USA 65-84 +++

A small feathery plant with a silvery sheen to tips

6236 PER 5 £1.50

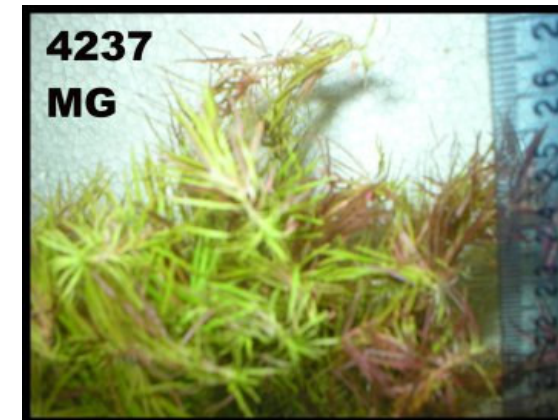
7236 PER 25 £6.95

2236 BUNCH £1.75 (\*7)

FAVOURED WATER PARAMETERS

TEMP ° CELCIUS	24-29
ACID/ALK p H	6.5-7.2
GH	<10
KH	<10

NO4 & PO4 CONSUMPTION MED



**4237**

**MG**

**MYACCA SELLOWINIANA 4237**

**PINK MYACCA**

MG 15cm S. USA 65-79 +++

Just like 4236 but with pink tinge to leaves

6237 PER 5 £1.50

7237 PER 25 £6.95

2237 BUNCH £1.75 (\*7)

FAVOURED WATER PARAMETERS

TEMP ° CELCIUS	22-27
ACID/ALK p H	6.3-7.1
GH	<5
KH	<10

NO4 & PO4 CONSUMPTION MED

## **PALLADIUM/TERRARIUM**

### **SUITABLE PLANTS**

The following species like to have there bases or roots in wet substrate and at least some of the leaves in the air preferably in a humid environment, many will flower in good light



### **CHLOROPHYTUM BITCHETTII 4053 WHEAT PLANT DECORATIVE SEMI AQUATIC**

MG 6cm MALAYSIA 50-75 ++

6053 PER 5 £2.60

3053 POT £2.49

#### FAVOURED WATER PARAMETERS

TEMP o CELCIUS 18-26

ACID/ALK p H ANY

GH N/A

KH N/A

NO4 & PO4 CONSUMPTION LOW



### **FITTONIA VERSCHAFELTII (EMERSED)**

**LATTICE PLANT Semi aquatic only**

**4102#**

FG 3cm ASIA 60-80 ++

4102 EACH £1.00

6102 PER 5 £3.95

2102 BUNCH £2.50 (\*3)

TEMP o CELCIUS 18-26

ACID/ALK p H ANY

GH N/A

KH N/A

NO4 & PO4 CONSUMPTION LOW



### **HEMIGRAPHIS EXOTICA 4120# \*\*\***

MG 10cm JAPAN 60-80 ++

Has a lovely silver sheen to upper side Semi Aquatic

4120 EACH £1.85

6120 PER 5 £8.50

2120 BUNCH £2.80 (\*3)

3120 POT £2.49

TEMP o CELCIUS 18-26

ACID/ALK p H ANY

GH N/A

KH N/A

NO4 & PO4 CONSUMPTION LOW



### **OPHIPOGON JAPONICA 4153#**

**FOUNTAIN GRASS PLANT**

MG 15cm JAPAN 60-78 +

Not a true aquatic but last ages submersed and since it is goldfish & plec proof is widely requested

4153 EACH £0.60

6153 PER 5 £1.75

2153 BUNCH £1.75 (\*3)

3153 POT £2.49

#### FAVOURED WATER PARAMETERS

TEMP o CELCIUS 18-26

ACID/ALK p H ANY  
 GH N/A  
 KH N/A  
 NO4 & PO4 CONSUMPTION LOW

**OPHIOPOGON JABURAN  
 (VARIEGATED) 4155# GREEN &  
 WHITE GIANT FOUNTAIN**

BG 30cm+ JAPAN 60-78 ++  
 Like 4153 not true aquatic with white stripes on leaf

4155 EACH £1.75  
 6155 PER 5 £8.50  
 2155 BUNCH £3.25 (\*2)  
 3155 POT £3.75

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 18-26  
 ACID/ALK p H ANY  
 GH N/A  
 KH N/A  
 NO4 & PO4 CONSUMPTION LOW



**O. KYOTO DWARF FOUNTAIN 4154#**

FG 5cm JAPAN 60-79 + PCA

6154 PER 5 £3.45

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 18-26  
 ACID/ALK p H ANY  
 GH N/A  
 KH N/A

NO4 & PO4 CONSUMPTION LOW

**PILEA CANDEREL NANA 4158#  
 (SEMI EMERSED)ALUMINUM PLANT**

MG 12cm WIDELY CULTIVATED 60-78 ++  
 Although not aquatic its moisture loving properties enable it to root and grow quite well under water

4158 EACH £0.80

6158 PER 5 £3.45

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 18-26  
 ACID/ALK p H ANY  
 GH N/A  
 KH N/A

NO4 & PO4 CONSUMPTION LOW



**CORDYLINE PINK EDGE 4207**

4207 EACH £1.40

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 18-26  
 ACID/ALK p H ANY  
 GH N/A  
 KH N/A

NO4 & PO4 CONSUMPTION LOW



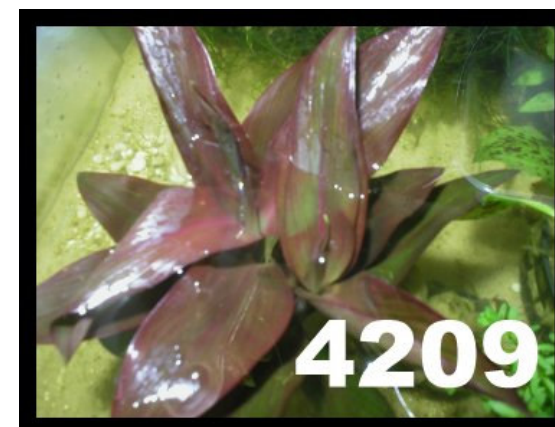
**DRACENA YELLOW FORM 4208**

4208 EACH £1.40

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 18-26  
 ACID/ALK p H ANY  
 GH N/A  
 KH N/A

NO4 & PO4 CONSUMPTION LOW



**CORDYLINE COMPACTA 4209**

4209 EACH £1.75

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 18-26  
 ACID/ALK p H ANY  
 GH N/A  
 KH N/A

NO4 & PO4 CONSUMPTION LOW

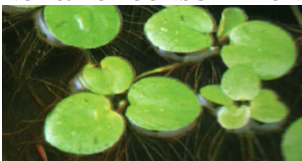


**DRACENA STRIPED 4210**

4210 EACH £1.40

FAVOURUED WATER PARAMETERS

TEMP ° CELCIUS	18-26
ACID/ALK p H	ANY
GH	N/A
KH	N/A
NO4 & PO4 CONSUMPTION LOW	



WATER HYACINTH FLOWERING



**FLOATING COLLECTIONS**

4111	MIXED FOREGROUND SPECIES	£2.30
4640	5 MIXED FOR AQUARIUM	£2.80
4138	MIXED BACKGROUND SPECIES	£4.50
4641	10 MIXED FOR AQUARIUM	£4.62

4645	20 SUPER MIX ABOVE & BELOW	£6.90
4197	MIXED SWORDS	£3.95
4643	10 UNDER SURFACE	£1.75
4650	MIXED BULBS (FUN TO GROW)	£6.35
4601	MIXED CRYPTOCORYNES PER 15	£5.75
4604	POTTED CRYPT MIXED PER 10 POTS	£18.50
4602	MIXED CRYPTOCORYNES PER 25	£13.50
4603	MIXED CRYPTOCORYNES PER 50	£19.95

**POTTED COLLECTIONS**

4189	10 MIXED GENERAL SPECIES	£18.00
4191	10 MIXED RED SPECIES	£18.00
4192	10 MIXED GREEN SPECIES	£18.00
4193	20 MIXED GENERAL	£33.00
4194	30 MIXED GENERAL	£46.00

**PLANT ACCESSORIES**

4487	PKT 10 FOAM STRIPS FOR BUNCHES	£1.75
4484	10 SPONGES & LARGE SIZE LEADS	£2.25
4485	PKT 10 WEIGHTS	£0.90
4486	POTTING KIT 10 POTS	£3.95



**SPONGE LEADED BUNCHES**

4400	10 MIXED GENERAL	£16.00
<b>4401 10 EASY HARDY BUNCHES COMES WITH FREE SMALL PRO-AQUA-PLANT ONLY £17.00 COMPLETE</b>		
4631	5 SHORT AND 5 TALL TYPES	£16.00
4633	10 COLD WATER/ SUMMER POND	£16.00
4634	5 OXYGENATORS	£7.50
4637	10 XL SUPER SELECTED	£18.50



**POT LUCK PLANT DEALS**

S660	FAST GROWING MIX X 50	£5.50
S662	FAST GROWING MIX X100	£10.50
4660	POT LUCK PLANTS X50	£6.95
4661	POT LUCK PLANTS X75	£10.35
4662	POT LUCK PLANTS X100	£13.50
4663	POT LUCK PLANTS X150	£19.50
4664	POT LUCK PLANTS X200	£26.00
*4666	POT LUCK PLANTS X500	£57.00

**PLANTS ON DRIFTWOOD SIZES (CM ARE APPROX)**

W4501	JAVA MOSS 10-15CM	£11.75
W4502	ANUBIAS NANA 10-15CM	£14.50
W4503	JAVA FERN 15-20CM	£14.50
W4504	ANUBIAS BATERII 10-15CM	£14.50
W4505	WINDELOV FERN 15-20CM	£18.75
W4506	3 TYPES ON WOOD 30CM+	£35.95
*W4508	XXL 40-60CM SPECIAL ORDER	£49.95





**WELCOME TO THE WOOD  
PILE AND MOSS BANK**



**BUT THAT IS WHAT THEY CHARGE ME FOR NEXT  
DAY/48HR ON HEAVY ITEMS TO THESE AREAS**

**=====**  
**THE MAX WEIGHT ALLOWED FOR CHANNEL  
 ISLANDS AND REPUBLIC OF IRELAND IS 2Kg THERE  
 ARE SPECIAL CARRIAGE RATES AND TERMS FOR  
 ROI DELIVERIES PLEASE EMAIL FOR DETAILS**  
**=====**

**PLANTS ON VOLCANIC ROCK**  
**ROCK SIZE ~4-5 CM**

4701	ANUBIAS NANA	£5.75
4702	ANUBIAS BARTERII	£5.75
4703	JAVA FERN WINDELOV	£7.75
4704	JAVA MOSS	£5.75
4705	JAVA FERN	£5.75



**\* CODES 4666 & W1508 WEIGH IN EXCESS OF 5KG  
 AND MUST GO BY CARRIER AND ARE AVAILABLE  
 TO ENGLAND, WALES & SOUTHERN SCOTTISH  
 MAINLAND FROM GLASGOW TO FIFE INC. DD1 TO  
 DD5 & AB1-AB30 ONLY (I.O.W CARRIAGE IS £7.50  
 EXTRA ON THESE ITEMS)  
 ROYAL MAIL SPECIAL 10Kg RATE AT £19.00  
 CARRIAGE IS AVAILABLE TO HIGHLANDS, ISLANDS  
 & NORTHERN IRELAND FOR THESE ITEMS- SORRY**



**THE MOSS BANK**

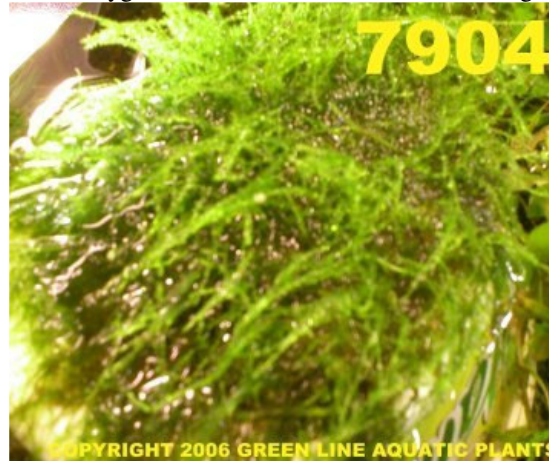
Common java moss etc is listed under code 4176 back in the stock section



**4171 Each Per 3-4CM CLUMP PEARL MOSS ? PLAGIOMNIUM SPECIES ("new import") £1.75**

An attractive dark shiny species with pearl l leaflets Also sometimes available on tile shown in picture code 4711

Pearls oxygen bubbles even under fluorescent light



**7904 VERSICULARIA FERNEII CHRISTMAS MOSS WEeping VARIETY 3 - 4cm £2.30**



**4184 Each PEACOCK/TAIWAN MOSS TAXIPHYLLUM SPECIES NEW £1.75 PER 4-5CM CLUMP ABOUT 25 STRANDS**



**S176 STANDARD MOSSY MIX 6 UNITS**

Normally includes

- 1 x Java Moss
- 1 x Willow Moss
- 2 x Weeping xmas Moss
- 1 x Pearl Moss
- 5 x Azolla Fairy Moss



**S169 BUMPER MOSSY MIX 8 UNITS**

TYPICALLY INCLUDES

- 2 X JAVA MOSS
- 2 X WEeping CHRISTMAS MOSS
- 1 X FONTINALIS ANTIPYRECTICA
- 1 X PEARL MOSS
- 1 X PELIA /(MONOSELENIUM TENERNUM)
- 5 X FAIRY MOSS AZOLLA SPECIES



**4706 NEW MOSS ON STICK 4706 NEW CHRISTMAS MOSS ON SOLID WOOD STICK 16-20CM £3.95**



**4707** Each JAVA MOSS ON BROWN CERAMIC TURTLE £3.95



**4709** Each CRISTMAS MOSS ON 6CM PAD £3.95



**4711** Each PEARL MOSS ON TILE 5X9CM APPROX £5.75  
Probably one of the Plagiomnium species that carpets tropical tree stumps in swamps and rivers



**4708** Each JAVA MOSS ON WAVING FENCE 15CM APPROX £4.95  
A ceramic wavy fence completely covered on side with moss  
The bare side is shown in the picture



**4710** Each PEARL MOSS WITH MONOSELENIUM ON TILE 3X7CM £4.95



**4714** Each MOSS ON WIRE 8 X 7CM MINI PELIA RICCARDIA CHAMEDRYFOLIA £4.75  
Mosses are becoming increasingly useful in aquaria both for covering decor and several species produce natural chemical to control algae too



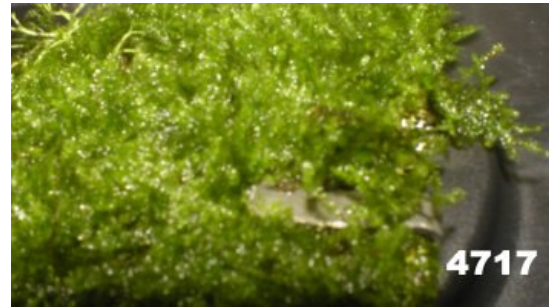
**4530**  
4530 JAVA MOSS ON COCUNUT  
HUSK £8.50



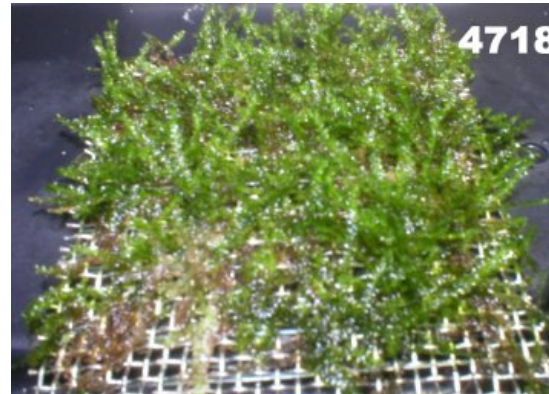
**4715**  
4715 Each MOSS ON WIRE 8 X 7CM  
SPIKY MOSS TAXIPHYLLUM  
SPECIES £5.75



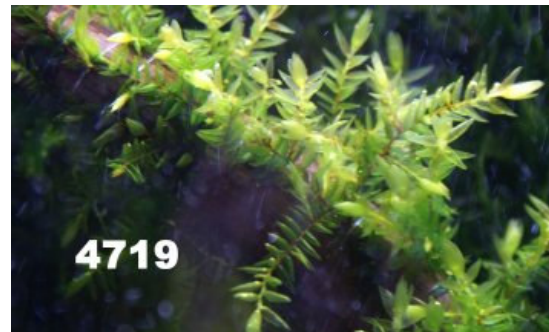
**4716**  
716 Each MOSS ON WIRE 8 X 7CM  
AMERICAN FISSEDENS F.  
FONTANUS £4.75



**4717**  
4717 Each MOSS ON WIRE 8 X 7CM  
CREEPING MOSS VESICULARIA  
SPECIES £4.75



**4718**  
4718 Each MOSS ON WIRE 8 X 7CM  
WEEPING MOSS VESICULARIA  
FERRIEI £4.75



**4719**  
4719 Each MOSS ON WIRE 8 X 7CM  
WILLOW MOSS TROPICAL LARGE  
FRONDS FONTINALIS £4.75



**4720**  
4720 Each MOSS ON WIRE 8 X 7CM  
WILLOW MOSS TROPICAL SMALL  
FRONDS FONTINALIS £4.75



**4721**  
4721 Each MOSS ON WIRE 8 X 7CM  
FLAME MOSS TAXIPHYLLUM  
REDDISH SPECIES £4.75



**4722**  
4722 Each MOSS ON WIRE 8 X 7CM  
LOMA FERN MOSS PALLAVIENIA  
SPECIES £4.75

**4723 Each MOSS ON WIRE 8 X 7CM  
MONOSELENIUM TENERNUM (PELIA)  
£4.75 see picture 7907**



**4724 Each MOSS ON WIRE 8 X 7CM  
MINI CHRISTMAS MOSS V.  
MONTAGNEI MINI £4.75**

**4725 Each CHRISTMAS MOSS  
VERSICULARIA SPECIES ON BAMBOO  
STICK 16CM £3.95**

Very similar to that shown on the solid stick here but with wider Christmas tree type fronds

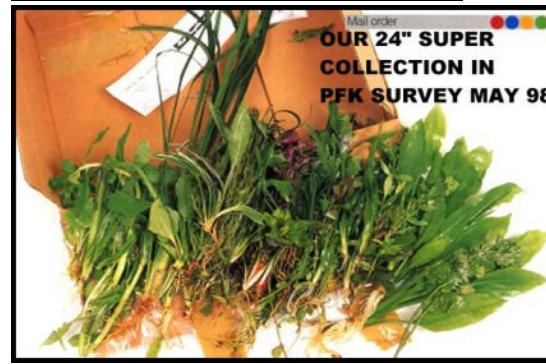
**THERE NOW FOLLOWS A RANGE OF  
PLANT COLLECTIONS, IF YOU ARE  
EXPERIENCED AT PLANTING OUT A  
TANK THEN THE INTERESTING  
VARIETY WITHIN ONE OF OUR  
SUPER PLANT MIXED COLLECTIONS  
MIGHT APPEAL.**

These collections are all hand picked to give you the largest possible variety, combined with quality and superb value for money. Practical Fish keeping Magazine voted our collections the best quality, value for money & well packed of plants received in an anonymous survey carried out on 3 occasions now since 1998 out of all the plant companies advertised in their magazine at the time. The collections will typically contain a mixture of foreground, mid & background

plants with a good texture and colour diversity. They will normally contain Cryptocorynes, Bulbs, Hygrophila's, Swords, Egeria, Cabombas, Vallisneria, Ludwigia, Oxygenators, Bacopa, between 25 and 50 varieties typically depending upon the size of the collection ordered.

**IF YOU ARE A BEGINNER THEN ONE OF THE  
PRE-SET LABELLED COLLECTIONS WOULD  
BE BEST AND FOR THOSE OF YOU WITH  
LIMITED PLANTING TIME THEN THERE ARE  
LABELLED PRE-SET MENU COLLECTIONS  
AVAILABLE.**

## **PLANT COLLECTIONS SET UP PACKAGES**



**(VOTED BEST VALUE & QUALITY 3  
TIMES NOW IN PRACTICAL  
FISHKEEPING MAGAZINE**

**A 4479 TROPICAL COLLECTION  
MASSES OF PLANT FOR LESS £**



## **TROPICAL COLLECTIONS**

**SUPER PREMIUM FOR HEAVILY  
PLANTED TANK**

CODE	TANK SIZE	MIN PLANTS SUPPLIED	PRICE £
4477	18"/45CM	40	£7.50
4478	24"/60CM	60	£11.95
4481	30"/75CM	80	£13.95
4479	36"/90CM	100	£16.95
4480	48"/120CM	130	£21.95
4482	72"/FISH HOUSE	200+	£29.95

**NEW**

**STANDARD TROPICAL  
COLLECTIONS MODERATELY  
PLANTED TANK 72-82oF**



**726 A STANDARD PLANT COLLECTION FOR 30" TANK**

## DISCUS/ SOFTER WATER COLLECTIONS

CODE	TANK SIZE	MIN PLANTS SUPPLIED	PRICE £
4598	24"/60CM	40	£13.50
4600	36"/90CM	75	£19.00
4597	48"/120CM	100	£23.50
4599	60-72"/180CM	130	£27.50

All the above come with 10 free lead weights & colour planting guide  
 Please note that while individually ordered species ordered and the new pre-set collections will come packed separately and labelled on the bag, because of the enormous range making for an interesting collection it is not possible to label individual plants contained. They will come wrapped together in damp paper to avoid drying out and leaves from being damaged in transit. Most of the plants will be almost full grown on receipt and so it should be easy to see where in the aquarium they should be put. The illustrations should help in specific identification.

**DISCUS COLLECTIONS WILL CONTAIN A GOOD BALANCE OF SPECIES THRIVING IN SLIGHTLY SOFT WATER IN THE TEMPERATURE RANGE 78 TO 84F. THESE WILL INCLUDE CRYPTOCORYNES, (ALL STOCK SPECIES AVAILABLE EXCEPT BALANSAE WHICH PREFERS HARD COOL ALKALINE WATER), ECHINODORUS, JAVA FERN & MOSS, VALLIS GIANT, ALTERNATHERA, HYGROPHILA, WISTERIA, NYMPHAEA APONOGETONS, SAGITTARIAS, INDIAN FERN, PLUS MANY MORE**

CODE	TANK SIZE	MIN PLANTS SUPPLIED	PRICE £
724	18"/45CM	25	£4.49
725	24"/60CM	50	£7.99
726	30"/75CM	75	£11.49
727	36"/90CM	95	£14.99
728	48"/120CM	120	£16.99
729	60"/152CM	150	£18.99

## STANDARD COOLER WATER COLLECTIONS 60-72 oF

CODE	TANK SIZE	MIN PLANTS SUPPLIED	PRICE £
4497	18"/45CM	40	£6.95
4488	24"/60CM	50	£9.00
4491	30"/75CM	70	£11.50
4489	36"/90CM	90	£14.50
4490	48"/120CM	110	£19.50

## NEW PRE-SET MENU STANDARD COLLECTIONS

FOR TROPICAL OR ROOM TEMPERATURE COLDWATER TANKS  
 THESE STARTER PACKS COME INDIVIDUALLY LABELLED WITH PLANTING INSTRUCTION AND 10 LEAD WEIGHTS IDEAL FOR BEGINNERS. BEING MORE LABOUR INTENSIVE THE PACKING AND LABELLING OF THESE COLLECTIONS IS CONTRACTED TO PACKET-IN AND MUST BE ORDERED MONDAY NIGHTS OR TUESDAY MORNINGS BEFORE 12:00 NOON TO BE DELIVERED THE SAME WEEK. IF YOU ARE HAPPY WITH BEING ABLE TO IDENTIFY SPECIES AND FAMILIAR WITH PLANTING OUT AN AQUARIUM THEN PERHAPS ONE OF THE SUPER PLANT COLLECTIONS CODES 4477 TO 4482 WOULD SUIT AS THESE ARE TERRIFIC VALUE WITH EVEN MORE VARIETY THAN THESE AND CAN BE ORDERED AS LATE AS 8:30PM ON WED. FOR SAME WEEK DELIVERY.



**ALL THE PLANTS ARE LABELLED IN OUR NEW PRE-SET COLLECTIONS**



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CODE	TANK SIZE	MIN PLANTS SUPPLIED	PRICE £
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=====

690	18"/45CM	43	£6.49
700	24"/60CM	63	£9.95
710	30"/75CM	80	£11.95
730	36"/90CM	101	£15.49
750	48"/120CM	121	£20.95
770	72"/FISH HOUSE	182	£28.50

**CONTENTS SHOWN BELOW**  
**UNLIKE SOME OTHER**  
**COMPANIES MOST PLANTS IN**  
**OUR LABELLED COLLECTIONS**  
**ARE ALREADY LEADED &**  
**BUNCHED FOR YOU**

### CODE 690

10X MICRO SAGITTARIA  
 3X DWARF SWORDS  
 2X SAGITTARIA NATANS  
 BUNCH (7) BABY TEARS BACOPA  
 5X CRYPTOCORYNE WENDTHII  
 BUNCH (10) MYACCA FLUVIATILIS  
 BUNCH (5) CREEPING JENNY  
 1X MEDIUM AMAZON SWORD  
 1 X FREE PRO-aqua-PLANT CODE 75

### CODE 700

10X MICRO SAGITTARIA  
 3X DWARF SWORDS  
 2X SAGITTARIA NATANS  
 BUNCH (7) BABY TEARS BACOPA  
 5X CRYPTOCORYNE WENDTHII  
 1X NARROW SWORD  
 BUNCH (10) MYACCA FLUVIATILIS  
 BUNCH (5) CREEPING JENNY  
 BUNCH (5) HYGRO. POLYSERMA  
 BUNCH (5) STRAIGHT VALLISNERIA  
 BUNCH (5) ELODEA Densa  
 BUNCH (5) LUDWIGIA NATANS  
 1 X FREE PRO-aqua-PLANT CODE 75

### CODE 710

10X MICRO SAGITTARIA  
 3X DWARF SWORDS  
 2X SAGITTARIA NATANS  
 BUNCH (7) BABY TEARS BACOPA  
 5X CRYPTOCORYNE WENDTHII  
 1X NARROW SWORD  
 BUNCH (10) MYACCA FLUVIATILIS  
 BUNCH (5) CREEPING JENNY  
 BUNCH (5) HYGRO. POLYSERMA  
 BUNCH (5) STRAIGHT VALLISNERIA  
 BUNCH (5) ELODEA Densa  
 BUNCH (5) LUDWIGIA NATANS  
 BUNCH (5) GREEN CABOMBA  
 BUNCH (5) BRONZE BACOPA  
 BUNCH (5) TWISTED VALLISNERIA  
 2X SAGITTARIA NATANS  
 1 X FREE PRO-aqua-PLANT CODE 75

### CODE 730

10X MICRO SAGITTARIA  
 3X DWARF SWORDS  
 2X SAGITTARIA NATANS  
 BUNCH (7) BABY TEARS BACOPA  
 5X CRYPTOCORYNE WENDTHII

1X NARROW SWORD  
 BUNCH (10) MYACCA FLUVIATILIS  
 BUNCH (5) CREEPING JENNY  
 BUNCH (5) HYGRO. POLYSERMA  
 BUNCH (5) STRAIGHT VALLISNERIA  
 BUNCH (5) ELODEA Densa  
 BUNCH (5) LUDWIGIA NATANS  
 BUNCH (5) GREEN CABOMBA  
 BUNCH (5) BRONZE BACOPA  
 BUNCH (5) TWISTED VALLISNERIA  
 2X SAGITTARIA NATANS  
 3X WATER WISTERIA  
 2X BULB SPECIES  
 BUNCH (5) RED SPECIES  
 5X SALVINIA FLOATING  
 2X AMAZON SWORDS  
 BUNCH (4) THAILAND STRICTA  
 1 X FREE PRO-aqua-PLANT CODE 76

### CODE 750

10X MICRO SAGITTARIA  
 3X DWARF SWORDS  
 2X SAGITTARIA NATANS  
 BUNCH (7) BABY TEARS BACOPA  
 5X CRYPTOCORYNE WENDTHII  
 1X NARROW SWORD  
 BUNCH (10) MYACCA FLUVIATILIS  
 BUNCH (5) CREEPING JENNY  
 BUNCH (5) HYGRO. POLYSERMA  
 BUNCH (5) STRAIGHT VALLISNERIA  
 BUNCH (5) ELODEA Densa  
 BUNCH (5) LUDWIGIA NATANS  
 BUNCH (5) GREEN CABOMBA  
 BUNCH (5) BRONZE BACOPA  
 BUNCH (5) TWISTED VALLISNERIA  
 BUNCH (5) SAGITTARIA NATANS  
 2X WATER WISTERIA  
 2X BULB SPECIES  
 BUNCH (5) RED SPECIES  
 7X SALVINIA FLOATING  
 2X AMAZON SWORDS  
 BUNCH (4) THAILAND STRICTA  
 5X FERNS  
 5X MIXED CRYPTOCORYNES

1X JAVA MOSS  
 3X FOUR LEAF CLOVERS  
 BUNCH (5) RED LUDWIGIA  
 1X BLACK SWORD TROPICA  
 1 X FREE PRO-aqua-PLANT CODE 76

### CODE 770

10X MICRO SAGITTARIA  
 3X DWARF SWORDS  
 2X SAGITTARIA NATANS  
 BUNCH (7) BABY TEARS BACOPA  
 5X CRYPTOCORYNE WENDTII  
 1X NARROW SWORD  
 BUNCH (10) MYACCA FLUVIATILIS  
 BUNCH (5) CREEPING JENNY  
 BUNCH (5) HYGRO. POLYSERMA  
 BUNCH (5) STRAIGHT VALLISNERIA  
 BUNCH (5) ELODEA Densa  
 BUNCH (5) LUDWIGIA NATANS  
 BUNCH (5) GREEN CABOMBA  
 BUNCH (5) BRONZE BACOPA  
 BUNCH (5) TWISTED VALLISNERIA  
 2X SAGITTARIA NATANS  
 3X WATER WISTERIA  
 2X BULB SPECIES  
 BUNCH (5) RED SPECIES  
 7X SALVINIA FLOATING  
 2X AMAZON SWORDS  
 BUNCH (4) THAILAND STRICTA  
 5X FERNS  
 5X MIXED CRYPTOCORYNES  
 1X JAVA MOSS  
 3X FOUR LEAF CLOVERS  
 BUNCH (5) RED LUDWIGIA  
 1X BLACK SWORD TROPICA  
 3XBUNCH (5) MYGRIOPHYLLUMS  
 BUNCH (5) GOLDEN CREEPING JENNY  
 15X BACKGROUND SPECIES  
 BUNCH (6) PINK VEINED HYGRO  
 BUNCH (5) HORNWORT  
 BUNCH (5) RORIPPA NASTURTIAN  
 10X MIXED FLOATING TYPES  
 1 X FREE PRO-aqua-PLANT CODE 76

**NEW PREMIUM/RARE PLANT  
 POTTED/BUNCHED SECTION**  
**PLEASE NOTE CARD ORDERS  
 ONLY FOR THE FOLLOWING  
 ITEMS AS SOME ARE VERY  
 SEASONAL AND SUBSTITUTES  
 MAY HAVE TO BE SENT IF  
 CHEQUES/PO'S ARE SENT AS  
 PAYMENT. THOSE THAT  
 SHOULD BE AVAILABLE WILL  
 BE LISTED ON THE SITE.**

If using the quick search facility on the site the response is no matches found for that code it will be a hidden item and currently unavailable.

**WATER PARAMETERS FOR THESE  
 RARER SPECIES WILL BE ADDED  
 AT A LATER DATE**

**THOSE MARKED IN RED ARE SELDOM  
 AVAILABLE SORRY PCA**

THESE ARE FROM A NEW SUPPLIER SHIPPED EVERY 8 WEEKS OR SO. THEY ARE VERY NICE PLANTS AND IN GENEROUS PORTIONS FOR A VERY REASONABLE PRICE. I WILL HOLD MANY OF THESE IN STOCK BUT AGAIN PLEASE TELEPHONE AN ORDER TO RESERVE BY CARD. IF SENDING A CHEQUE PLEASE GIVE ALTERNATIVES OR THE NEAREST MAY HAVE TO BE SENT UNDER 28DAY MAIL ORDER RULE REGARDING ORDER WAITING TIMES.THEY ARE ALL SOLD TRUE SUBMERSED FORMS UNLESS SHOWN WITH AN E PREFIX= EMERGED

**B PREFIX = SUPPLIED IN BUNCHED  
 FORM P PREFIX IS SUPPLIED AS A POT  
 THOSE IN STOCK ARE USUALLY  
 SHOWN ON THE WEB SITE.**



**P7702E BACOPA AMPLEXICAULIS £2.50**  
FAVOURED WATER PARAMETERS  
 TEMP o CELCIUS  
 ACID/ALK p H  
 GH  
 KH  
 NO4 & PO4 CONSUMPTION



**B7703 BACOPA LANIGERA £2.50**  
FAVOURED WATER PARAMETERS



TEMP ° CELCIUS  
ACID/ALK p H  
GH  
KH  
NO4 & PO4 CONSUMPTION



**B7704 CERATOPHYLLUM MEXICANA** £2.50  
FAVOURED WATER PARAMETERS

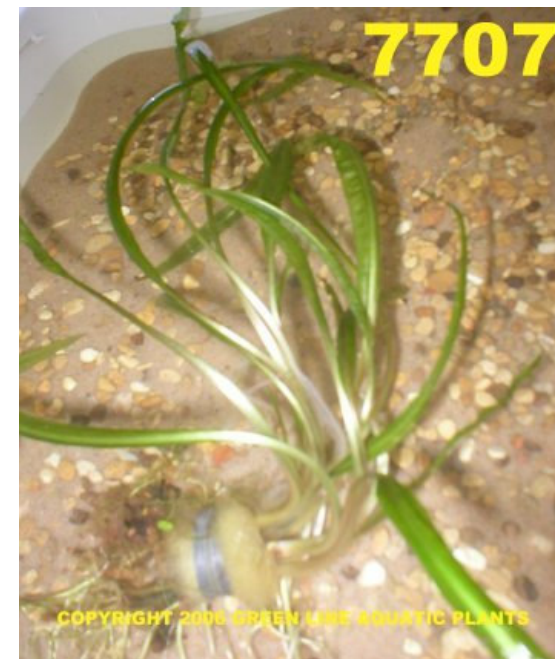
TEMP ° CELCIUS  
ACID/ALK p H  
GH  
KH  
NO4 & PO4 CONSUMPTION

TEMP ° CELCIUS  
ACID/ALK p H  
GH KH  
NO4 & PO4 CONSUMPTION



**P7706 CRYPTOCORYNE ALBIDA/COSTATA** £3.45  
FAVOURED WATER PARAMETERS

TEMP ° CELCIUS  
ACID/ALK p H  
GH  
KH  
NO4 & PO4 CONSUMPTION



**P7707 CRYPTOCORYNE RETROSPIRALIS** £2.50  
FAVOURED WATER PARAMETERS

TEMP ° CELCIUS  
ACID/ALK p H  
GH  
KH  
NO4 & PO4 CONSUMPTION



**P7705 CRYPT. BLASSII LARGE WILD** £5.75  
FAVOURED WATER PARAMETERS



**P7708 CRYPTOCORYNE TROPICA** £2.50

FAVOURED WATER PARAMETERS

TEMP o CELCIUS

ACID/ALK p H

GH

KH

NO4 & PO4 CONSUMPTION



**P7709 CRYPTOCORYNE WALKERII £2.50**

FAVOURED WATER PARAMETERS

TEMP o CELCIUS

ACID/ALK p H

GH

KH

NO4 & PO4 CONSUMPTION



**P7710 CRYPTOCORYNE WENDTTII BROAD £2.50**

FAVOURED WATER PARAMETERS

TEMP o CELCIUS

ACID/ALK p H

GH

KH

NO4 & PO4 CONSUMPTION



**P7711 CRYPTOCORYNE WENDTTII BROWN £2.50**

FAVOURED WATER PARAMETERS

TEMP o CELCIUS

ACID/ALK p H

GH

KH

NO4 & PO4 CONSUMPTION



**P7712 CRYPT WENDTTII TALL GREEN £2.50**

FAVOURED WATER PARAMETERS

TEMP o CELCIUS

ACID/ALK p H

GH

KH

NO4 & PO4 CONSUMPTION



**P7713 DRACENA SPOTTED DECORATIVE £2.50**

FAVOURED WATER PARAMETERS

TEMP o CELCIUS  
 ACID/ALK p H  
 GH  
 KH  
 NO4 & PO4 CONSUMPTION



**P7715 ECHINODORUS AMERICANUS £3.45**  
 / AESHERSONIANUS

FAVOURED WATER PARAMETERS

TEMP o CELCIUS  
 ACID/ALK p H  
 GH  
 KH  
 NO4 & PO4 CONSUMPTION



**P7717 ECHINODORUS BARTHII £5.50**

FAVOURED WATER PARAMETERS

TEMP o CELCIUS  
 ACID/ALK p H  
 GH  
 KH  
 NO4 & PO4 CONSUMPTION



**P7714 ECHINODORUS AMAZONICUS £2.50**

FAVOURED WATER PARAMETERS

TEMP o CELCIUS  
 ACID/ALK p H  
 GH  
 KH  
 NO4 & PO4 CONSUMPTION



**P7716 ECHINODORUS ORIENTAL SMALL £5.75**

FAVOURED WATER PARAMETERS

TEMP o CELCIUS  
 ACID/ALK p H  
 GH  
 KH  
 NO4 & PO4 CONSUMPTION



**P7718 ECHINODORUS HOREMANII GREEN £6.75**

FAVOURED WATER PARAMETERS

TEMP o CELCIUS  
 ACID/ALK p H  
 GH  
 KH  
 NO4 & PO4 CONSUMPTION



**P7719 ECHINODORUS HOREMANII RED £8.50**  
**P7722 ECHINODORUS MARBLED QUEEN £3.95**  
**SEE PICTURE CODE 4095**  
FAVOURED WATER PARAMETERS  
 TEMP ° CELCIUS  
 ACID/ALK p H  
 GH  
 KH  
 NO4 & PO4 CONSUMPTION



**P7723 ECHINODORUS MARTII (MAJOR) £3.50**  
FAVOURED WATER PARAMETERS  
 TEMP ° CELCIUS  
 ACID/ALK p H  
 GH  
 KH  
 NO4 & PO4 CONSUMPTION



**P7724 ECHINODORUS OSIRIS RUBRA SML £3.50**  
FAVOURED WATER PARAMETERS

TEMP ° CELCIUS  
 ACID/ALK p H  
 GH  
 KH  
 NO4 & PO4 CONSUMPTION



**P7725 ECHINODORUS OSIRIS SML £4.75**  
FAVOURED WATER PARAMETERS  
 TEMP ° CELCIUS  
 ACID/ALK p H  
 GH  
 KH  
 NO4 & PO4 CONSUMPTION



**P7726 ECHINODORUS OZELOT SMALL** £6.50  
FAVOURED WATER PARAMETERS  
 TEMP o CELCIUS  
 ACID/ALK p H  
 GH  
 KH  
 NO4 & PO4 CONSUMPTION



**P7727 ECH. SCHUTERI LEOPARD** £7.50  
FAVOURED WATER PARAMETERS  
 TEMP o CELCIUS  
 ACID/ALK p H  
 GH  
 KH  
 NO4 & PO4 CONSUMPTION



**P7728 ECHINODORUS RED FLAME SMALL** £6.75  
FAVOURED WATER PARAMETERS  
 TEMP o CELCIUS  
 ACID/ALK p H  
 GH  
 KH  
 NO4 & PO4 CONSUMPTION



**P7729 ECHINODORUS RED RUBIN** £8.50  
FAVOURED WATER PARAMETERS  
 TEMP o CELCIUS  
 ACID/ALK p H  
 GH  
 KH  
 NO4 & PO4 CONSUMPTION



**P7730 ECHINODORUS ROSE** £3.75  
FAVOURED WATER PARAMETERS  
 TEMP o CELCIUS  
 ACID/ALK p H  
 GH  
 KH  
 NO4 & PO4 CONSUMPTION



**P7731 ECHINODORUS SCHLUETERI** £4.75  
FAVOURED WATER PARAMETERS  
 TEMP o CELCIUS  
 ACID/ALK p H  
 GH  
 KH  
 NO4 & PO4 CONSUMPTION



**P7733 ELEOCHARIS PARVULUS £2.30**

FAVOURED WATER PARAMETERS

TEMP o CELCIUS

ACID/ALK p H

GH

KH

NO4 & PO4 CONSUMPTION

**P7734 HETERANTHERA ZOSTERIFOLIA £2.50**

**SEE PICTURE 4114**

FAVOURED WATER PARAMETERS

TEMP o CELCIUS

ACID/ALK p H

GH

KH

NO4 & PO4 CONSUMPTION



**P7735 CRYPTOCORYNE UNDULATUS RED £3.50**

FAVOURED WATER PARAMETERS

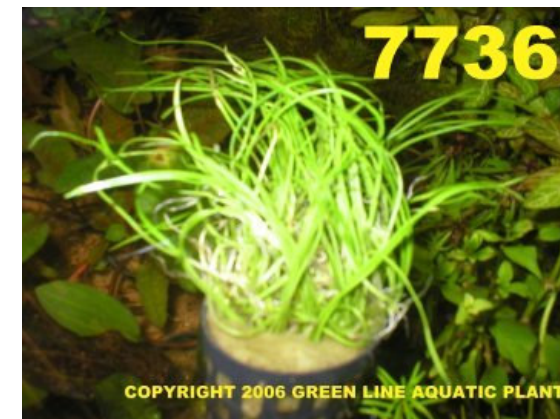
TEMP o CELCIUS

ACID/ALK p H

GH

KH

NO4 & PO4 CONSUMPTION



**B7736 ISOETES VETATA VARSICULA £2.50**

FAVOURED WATER PARAMETERS

TEMP o CELCIUS

ACID/ALK p H

GH

KH

NO4 & PO4 CONSUMPTION

**B7737 LUDWIGIA INCLINATA £2.50**

**SEE PICTURE 4130**

FAVOURED WATER PARAMETERS

TEMP o CELCIUS

ACID/ALK p H

GH

KH

NO4 & PO4 CONSUMPTION



**B7739 DIANDRA (PEPSLIS) GREEN FORM £2.30**

FAVOURED WATER PARAMETERS

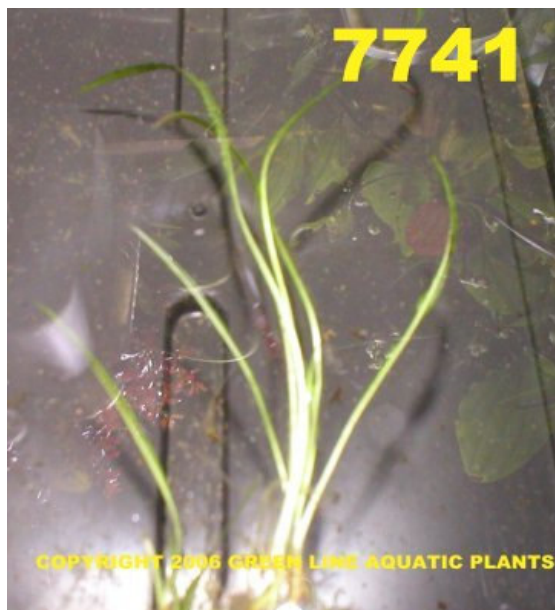
TEMP o CELCIUS

ACID/ALK p H

GH

KH

NO4 & PO4 CONSUMPTION



**P7741 CRYPTOCORYNE SPIRALIS £4.75**

FAVOURED WATER PARAMETERS

TEMP o CELCIUS

ACID/ALK p H

GH

KH

NO4 & PO4 CONSUMPTION



**P7742 CRYPT BECKETTI BROWN SPECIAL £2.90**

FAVOURED WATER PARAMETERS

TEMP o CELCIUS

ACID/ALK p H

GH

KH

NO4 & PO4 CONSUMPTION



**P7743 CRYPT. APONOGENTOFOLIA (PCA)  
FEW/YEAR NURSERY STOCK FROM £10.95 POA  
THE WORLDS LARGEST CRYPT, GROWS TO 120CM**

**P7744 CRYPTOCORYNE CILIATA £2.50**

**SEE PICTURE 4064**

FAVOURED WATER PARAMETERS

TEMP o CELCIUS

ACID/ALK p H

GH

KH

NO4 & PO4 CONSUMPTION



**P7745 CRYPTOCORYNE LUCEN £2.50**

FAVOURED WATER PARAMETERS

TEMP o CELCIUS

ACID/ALK p H

GH

KH

NO4 & PO4 CONSUMPTION



**P7746 CRYPTOCORYNE PARVA** £2.50  
FAVOURED WATER PARAMETERS  
TEMP ° CELCIUS  
ACID/ALK p H  
GH  
KH  
NO4 & PO4 CONSUMPTION



**P7748 CRYPTOCORYNE GRIFFITHII** £2.90  
FAVOURED WATER PARAMETERS  
TEMP ° CELCIUS  
ACID/ALK p H  
GH  
KH  
NO4 & PO4 CONSUMPTION



**P7747 CRYPTOCORYNE PETCHII** £2.50  
FAVOURED WATER PARAMETERS  
TEMP ° CELCIUS  
ACID/ALK p H  
GH  
KH  
NO4 & PO4 CONSUMPTION



**P7749 CRYPTOCORYNE CORDATA** £2.95  
FAVOURED WATER PARAMETERS  
TEMP ° CELCIUS  
ACID/ALK p H  
GH  
KH  
NO4 & PO4 CONSUMPTION





**P7750 CRYPTOCORYNE LUTEA** £2.50  
FAVOURED WATER PARAMETERS  
TEMP o CELCIUS  
ACID/ALK p H  
GH KH  
NO4 & PO4 CONSUMPTION



**P7752E CRYPTOCORYNE LINGUA** £3.50  
FAVOURED WATER PARAMETERS  
TEMP o CELCIUS  
ACID/ALK p H  
GH  
KH  
NO4 & PO4 CONSUMPTION



**P7753 CRYPTOCORYNE WILLISII** £2.50  
FAVOURED WATER PARAMETERS  
TEMP o CELCIUS  
ACID/ALK p H  
GH  
KH  
NO4 & PO4 CONSUMPTION



**P7754 GLOSSOSTIGMA ELATINOIDES** £2.75  
FAVOURED WATER PARAMETERS  
TEMP o CELCIUS  
ACID/ALK p H  
GH  
KH  
NO4 & PO4 CONSUMPTION



**P7755 ECHINODORUS TRI COLOUR PCA £7.75**

FAVOURED WATER PARAMETERS

TEMP o CELCIUS  
 ACID/ALK p H  
 GH  
 KH  
 NO4 & PO4 CONSUMPTION



**B7756E EUSTRALIS STELLATA EMERSED £2.75**  
**B7766 EUSTRALIS STELLATA SUBMERSED £3.95**  
 CODE B7766 WILL SHED LEAVES IN TRANSIT  
 SPECIAL ORDER SENT AT CUSTOMER RISK

FAVOURED WATER PARAMETERS

TEMP o CELCIUS 22  
 ACID/ALK p H 6.8  
 GH <5  
 KH <10  
 NO4 & PO4 CONSUMPTION LOW



**P7759 CREEPING JENNY GOLDEN £2.30**

FAVOURED WATER PARAMETERS

TEMP o CELCIUS  
 ACID/ALK p H  
 GH  
 KH  
 NO4 & PO4 CONSUMPTION



**P7761 LILAEOPSIS NOVAEZELANDIAE £2.50**

**P7762 LARGE AMBULIA THICK STEM £2.90**

**P7763E LIMNOPHILA AROMATICA £2.50**  
 SEE PICTURE 4021

FAVOURED WATER PARAMETERS

TEMP o CELCIUS  
 ACID/ALK p H  
 GH  
 KH  
 NO4 & PO4 CONSUMPTION



**B7764 MICRANTHEMUM UMBROSUM £2.50**

**P7765 MICROSORIUM WINDELOV ONLY £6.95**  
 SEE PICTURE 4135

**B7798 LINDERNIA ROTUND VARIEGATED £2.50**

FAVOURED WATER PARAMETERS

TEMP o CELCIUS  
 ACID/ALK p H  
 GH  
 KH  
 NO4 & PO4 CONSUMPTION



**B7799 EICH HORNIA DIVERSIFOLIA £4.95**

FAVOURED WATER PARAMETERS

TEMP o CELCIUS

ACID/ALK p H

GH

KH

NO4 & PO4 CONSUMPTION

**P7800 5 MIXED THIS SECTION OUR CHOICE £15.00**

**P7769 NYMPHAEA RED TIGER LOTUS £5.00**

SEE PICTURE 4147

FAVOURED WATER PARAMETERS

TEMP o CELCIUS

ACID/ALK p H

GH

KH

NO4 & PO4 CONSUMPTION



**P7767 NUPHUR JAPONICUM SPATTERDOCK £8.50**

FAVOURED WATER PARAMETERS

TEMP o CELCIUS

ACID/ALK p H

GH

KH

NO4 & PO4 CONSUMPTION



**P7768 GREEN TIGER LOTUS ZENKERII £8.00**

FAVOURED WATER PARAMETERS

TEMP o CELCIUS

ACID/ALK p H

GH

KH

NO4 & PO4 CONSUMPTION



**P7770 CHRISTMAS MOSS FONTINALIS £4.50**

FAVOURED WATER PARAMETERS

TEMP o CELCIUS

ACID/ALK p H

GH

KH

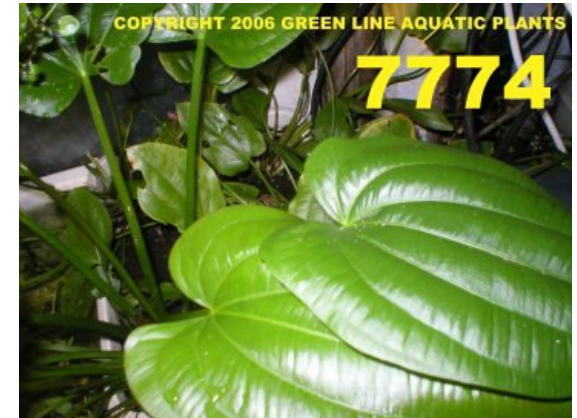
NO4 & PO4 CONSUMPTION



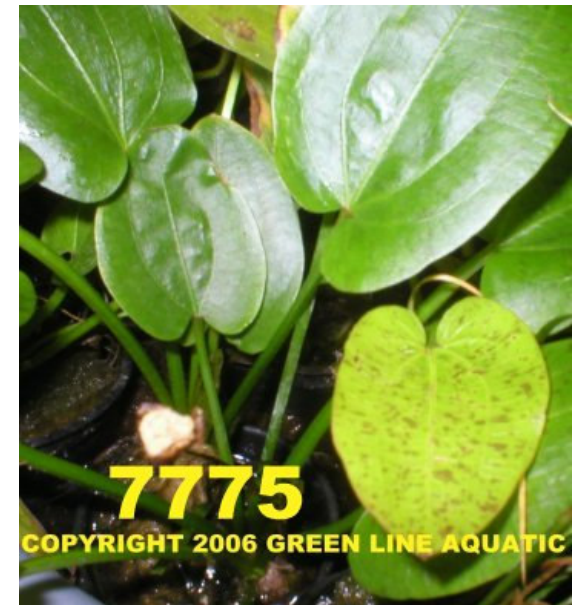
**P7771 CARDAMINE LYRATE** £2.50  
FAVOURED WATER PARAMETERS  
 TEMP ° CELCIUS  
 ACID/ALK p H  
 GH  
 KH  
 NO4 & PO4 CONSUMPTION



**P7772 RORIPPA NASTURTIAN LARGE** £2.30  
FAVOURED WATER PARAMETERS  
 TEMP ° CELCIUS  
 ACID/ALK p H  
 GH  
 KH  
 NO4 & PO4 CONSUMPTION



**P7774 ECHINODORUS CORDIFOLIUS RADICAN** £2.75  
**SWORD**  
FAVOURED WATER PARAMETERS  
 TEMP ° CELCIUS  
 ACID/ALK p H  
 GH  
 KH  
 NO4 & PO4 CONSUMPTION

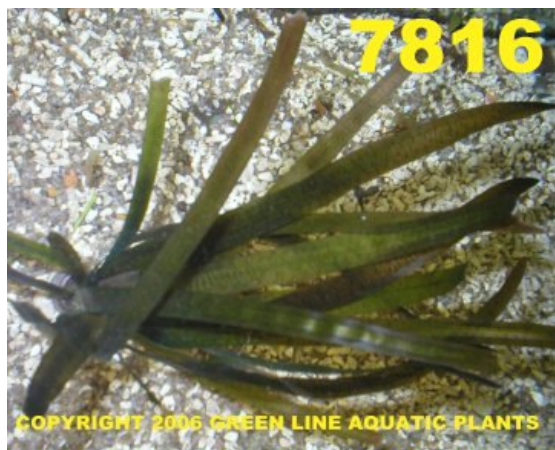


**P7775 ECHINODORUS CORD.MARBLED** £3.95

**B7813 VALLISNERIA CONTORTIONIST**  
**£2.90**  
FAVOURED WATER PARAMETERS  
 TEMP o CELCIUS  
 ACID/ALK p H  
 GH  
 KH  
 NO4 & PO4 CONSUMPTION



**B7814 VALLIS AMERICANA VAR NATANS** £3.45  
**B7815 VALLIS LEOPARD** £3.45  
FAVOURED WATER PARAMETERS  
 TEMP o CELCIUS  
 ACID/ALK p H  
 GH  
 KH  
 NO4 & PO4 CONSUMPTION



**B7816 VALLIS NEOTROPICALIS STRIPED** £3.95  
**B7817 VALLIS GIANGANTEA BROAD FORM** £3.45  
**PICTURE AS 7818 BUT GREENER**  
FAVOURED WATER PARAMETERS  
 TEMP o CELCIUS  
 ACID/ALK p H  
 GH  
 KH  
 NO4 & PO4 CONSUMPTION



**B7818 VALLISGIGANTEA BROAD RUBRA** £3.45  
**B7819 VALLIS RED LEOPARD NARROW** £3.45  
FAVOURED WATER PARAMETERS  
 TEMP o CELCIUS  
 ACID/ALK p H  
 GH  
 KH  
 NO4 & PO4 CONSUMPTION



**B7820 COW PLANT ELEOCHARIS SPECIES** £2.30  
FAVOURED WATER PARAMETERS  
 TEMP o CELCIUS  
 ACID/ALK p H  
 GH  
 KH  
 NO4 & PO4 CONSUMPTION



**B7821 TONINA SPECIES** £2.50  
FAVOURED WATER PARAMETERS  
 TEMP o CELCIUS  
 ACID/ALK p H  
 GH  
 KH  
 NO4 & PO4 CONSUMPTION



**B7822 MYGRIOPHYLLUM DIOCCUM PCA** £3.45  
FAVOURED WATER PARAMETERS  
 TEMP ° CELCIUS  
 ACID/ALK p H  
 GH  
 KH  
 NO4 & PO4 CONSUMPTION



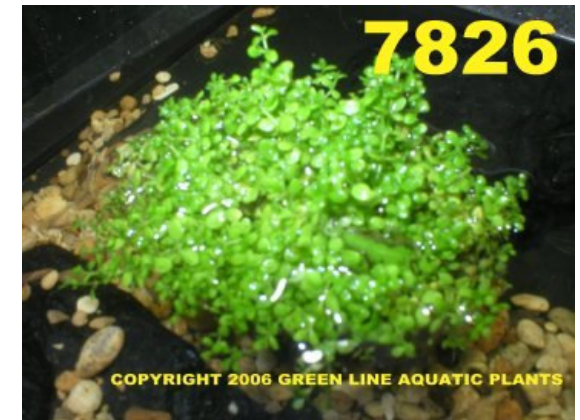
**B7823 AMMANIS SENAGALENSIS TRUE FORM** £2.90  
FAVOURED WATER PARAMETERS  
 TEMP ° CELCIUS  
 ACID/ALK p H  
 GH  
 KH  
 NO4 & PO4 CONSUMPTION



**B7824 ALTERNANTHERA CARDINALIS** £2.30  
FAVOURED WATER PARAMETERS  
 TEMP ° CELCIUS  
 ACID/ALK p H  
 GH  
 KH  
 NO4 & PO4 CONSUMPTION



**B7825 GYMNOCORONIS SPILANTHOIDES  
 VARIEGATED PINK & WHITE FORM** £2.50  
FAVOURED WATER PARAMETERS  
 TEMP ° CELCIUS  
 ACID/ALK p H  
 GH  
 KH  
 NO4 & PO4 CONSUMPTION



**P7826 HEMIANTHUS CALLITRICHOEDES** £3.75  
FAVOURED WATER PARAMETERS  
 TEMP ° CELCIUS  
 ACID/ALK p H  
 GH  
 KH  
 NO4 & PO4 CONSUMPTION



**B7827 HYDROTRICHE HOTTONIFLORA** £2.95  
FAVOURED WATER PARAMETERS  
 TEMP ° CELCIUS  
 ACID/ALK p H  
 GH  
 KH  
 NO4 & PO4 CONSUMPTION



**P7828 ECHINODORUS SPP** £3.95

FAVOURED WATER PARAMETERS

TEMP ° CELCIUS

ACID/ALK p H

GH

KH

NO4 & PO4 CONSUMPTION



**P7829 CRYPT. WENDTII RED MI OYA** £3.45

VERY RARE / UNUSUAL SECTION



**7900 CLADOPHORA AEGEROPHILA MOSS BALLS CAN TOLERATE MUCH SHADE**

Each £4.25

**7908 Each CLADOPHORA AEGEROPHILA MOSS BALLS STANDARD SIZE 3-4CM**

Each £2.75

FAVOURED WATER PARAMETERS

TEMP ° CELCIUS

ACID/ALK p H

GH

KH

NO4 & PO4 CONSUMPTION



**7901 CEROPTERIS PTEROIDES FLOATING** £1.00

FAVOURED WATER PARAMETERS

TEMP ° CELCIUS

ACID/ALK p H

GH KH

NO4 & PO4 CONSUMPTION



**7902 HYDROCLEIS NYMPHAEOIDES** £1.00

FAVOURED WATER PARAMETERS

TEMP ° CELCIUS

ACID/ALK p H

GH

KH

NO4 & PO4 CONSUMPTION



**7903 LEMNA TRISULCULA/ PER 10** £2.30

FAVOURED WATER PARAMETERS

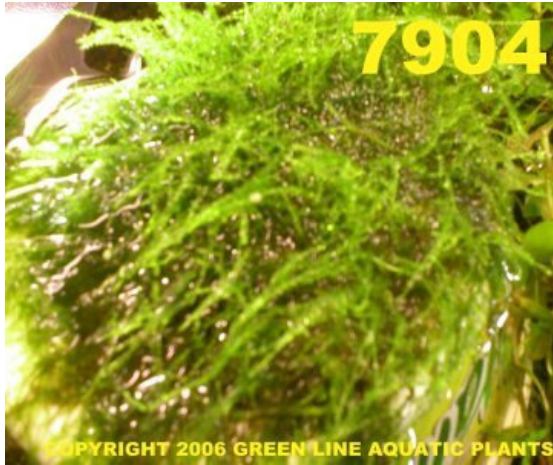
TEMP ° CELCIUS

ACID/ALK p H

GH

KH

NO4 & PO4 CONSUMPTION



**7904 VERSICULARIA FERNEII CHRISTMAS MOSS WEeping VARIETY 3-4CM** £2.30  
FAVouRED WATER PARAMETERS  
 TEMP o CELCIUS  
 ACID/ALK p H  
 GH  
 KH  
 NO4 & PO4 CONSUMPTION



**7906 SALIVINIA OBLONGIFOLIA** £1.20  
FAVouRED WATER PARAMETERS  
 TEMP o CELCIUS  
 ACID/ALK p H  
 GH

KH  
 NO4 & PO4 CONSUMPTION



**7907 MONOSELENIUM TENERUM** £3.95  
 PER 3CM Sq  
FAVouRED WATER PARAMETERS  
 TEMP o CELCIUS  
 ACID/ALK p H  
 GH  
 KH  
 NO4 & PO4 CONSUMPTION  
 PCA NURSERY GROWN ON SITE  
 DUE SPRING 2006



FAVouRED WATER PARAMETERS  
 TEMP o CELCIUS  
 ACID/ALK p H  
 GH  
 KH

NO4 & PO4 CONSUMPTION



**7909 CRINUM AQUATICA VAR CRISPUM** £9.50  
 VERY RARE AFRICAN IMPORT  
FAVouRED WATER PARAMETERS  
 TEMP o CELCIUS  
 ACID/ALK p H  
 GH  
 KH  
 NO4 & PO4 CONSUMPTION  
 WARNING THOSE MARKED WITH AN E=EMERSED  
 MAY DECLINE AFTER BEING SUBMERSED BUT MAY  
 RECOVER IN TIME. **THOSE IN RED SELDOM**  
**AVAILABLE PLEASE CHECK**

**NEW MOTHER PLANT SECTION**  
**REVISED JANUARY 2006**





NEED SOMETHING BIG FROM 15CM TO 150CM  
THESE HAVE BEEN CONTAINER GROWN FOR  
UP TO 2 YEARS



**LACK OF SPACE MEANS THERE IS ALWAYS ONLY LIMITED AVAILABILITY ON THESE MONSTER POTS SO PLEASE CHECK AVAILABILITY (PCA) OR SEE THE WEB SITE. SHIPMENTS ARE MADE EVERY 4-6 WEEKS SO ITEMS CAN BE PRE-ORDERED AND DELIVERED AT A LATER DATE**

MP7776 ANUBIAS BARTEII VARIEGATED £25.00  
MP7777 ANUBIAS NANA VAR NANA SPECIAL £19.50  
FAVOURED WATER PARAMETERS  
TEMP o CELCIUS  
ACID/ALK p H  
GH  
KH

NO4 & PO4 CONSUMPTION



MP7778 ANUBIAS HASTIFOLIA NEW £19.50  
MP7779 ANUBIAS GIGANTEA £19.50  
MP7780 ANUBIAS ALFZELII £19.50  
MP7783 ECHINODORUS BARTHII £12.50  
FAVOURED WATER PARAMETERS  
TEMP o CELCIUS  
ACID/ALK p H  
GH  
KH  
NO4 & PO4 CONSUMPTION



MP7786 ECHINODORUS MARBLED QUEEN £14.60  
MP7787 ECHINODORUS MAJOR £14.50  
MP7788 ECHINODORUS OZELOT SPOTTED £14.50  
MP7789 ECHINODORUS PARVIFLORUS VAR TROPICA FORM £13.50  
MP7790 ECH. BREVIPEDICELLATUS £9.50  
FAVOURED WATER PARAMETERS  
TEMP o CELCIUS  
ACID/ALK p H

GH KH  
NO4 & PO4 CONSUMPTION



MP7791 ECHINODORUS RED RUBIN £16.50  
FAVOURED WATER PARAMETERS  
TEMP o CELCIUS  
ACID/ALK p H  
GH  
KH  
NO4 & PO4 CONSUMPTION



MP7792 ECHINODORUS SCHULTERII £12.50  
MP7794 ASSORTED CRYPTOCORYNE £10.75  
FAVOURED WATER PARAMETERS  
TEMP o CELCIUS  
ACID/ALK p H  
GH  
KH  
NO4 & PO4 CONSUMPTION



MP7795 **BOLBTIS HEUDELLOTTII AFRICA** £39.95  
FAVOURED WATER PARAMETERS  
 TEMP o CELCIUS  
 ACID/ALK p H  
 GH  
 KH  
 NO4 & PO4 CONSUMPTION

MP7796 **ANUBIAS BARTERII EXTRA BROAD** £19.50  
 MP7797 **SPAT. CANAEFOLIUM XXL 50CM+** £17.50



MP8001 **CRYPT. WENDTII RED MI OYA** £11.95  
FAVOURED WATER PARAMETERS  
 TEMP o CELCIUS  
 ACID/ALK p H  
 GH  
 KH  
 NO4 & PO4 CONSUMPTION



MP8002 **CRYPTOCORYNE LUTEA** £11.95  
 MP8003 **CRYPTOCORYNE PETCHII** £11.95  
 MP8004 **CRYPTOCORYNE WENDTII TROPICA** £11.95  
 MP8005 **CRYPTOCORYNE WALKERII** £11.95  
FAVOURED WATER PARAMETERS  
 TEMP o CELCIUS  
 ACID/ALK p H  
 GH  
 KH  
 NO4 & PO4 CONSUMPTION



MP8006 **CRYPTOCORYNE LUCENS** £11.95  
FAVOURED WATER PARAMETERS  
 TEMP o CELCIUS  
 ACID/ALK p H  
 GH  
 KH  
 NO4 & PO4 CONSUMPTION



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## **COLD WATER & POND SECTION OXYGENATING PLANTS**

4644	FONTINALIS WILLOW MOSS (APRIL-SEP only) 5CM BUNCH	£2.30
4646	HORNWORT BUNCH	£1.75
4647	MIXED OXYGENATORS TOGETHER SUPER BUNCH	£2.30
4648	FLOATING MINI HAIR GRASS ACICULARIS 5CM CLUMP	£4.50
4634	MIXED OXYGENATORS IN BUNCHES 5 BUNCHES	£7.50

## **POND PLANTS (APRIL TO OCTOBER ONLY)**

4642	10 FLOATING SPECIES FOR THE SUMMER (NOT FROST HARDY)	£8.50
4769	10 BUNCHES OF OXYGENATORS FOR POND MANY WINTER HARDY	£13.50

I regret that following the drought resulting in the loss of all marginals and pond lilies I will not be doing any of these in the future

**The Ultimate Lighting for plant growing in indoor pools and larger aquaria with enough space above are Mercury Vapour and Metal Halide set ups. If you are into DIY kits and would like to obtain these Bulbs and Chokes plus many other electrical accessories at very low prices you may want to contact my friend Paul Batty who runs the Entomological Livestock Group which uses no end of UV lighting for trapping moths etc. You can contact Paul by e-mail [pwbelg@clara.co.uk](mailto:pwbelg@clara.co.uk) or view some of the lighting kits etc on the ELG web site <http://www.pwbelg.clara.net/index.html>**

## **TROUBLE GROWING PLANTS? HAVE YOU TRIED OUR PRO aqua PLANT FERTILIZER BAGS An easy way to feed plants and see results.**

<u>CODE</u>	<u>TANK ~LITRES</u>	<u>EACH</u>	<u>3PACKS</u>
75	18-24"	70L-90L	£2.75 £6.95
76	30-48"	115L-150L	£3.95 £10.75
35	60+	275-400L	£5.99 £15.95

This product does not alter pH by more than 0.3 up hardness or affect fish in any way, it is in a Self contained black net bag which should not be opened. Just place in corner of tank or filter And leave the product to feed your plants on auto-pilot for up to 3 months in situ. No other

Fertilizer for the price has the staying power or gives the spectacular results provided the Correct lighting and filtration are provided.

**Photosynthesis is a process that all green plants, algae & certain types of bacteria convert water and carbon dioxide into sugar (the food) and oxygen (a useful waste product).  $6H_2O + 6CO_2 = C_6H_{12}O_6 + 6O_2$ . This waste oxygen of the reaction drives all aerobic life on earth as well as the fish in your aquarium. Interestingly as with many chemical reactions the process can be encouraged by increasing concentrations of compounds to the left of the equation &/ lowering the dissolved level of any end products in solution. This is why the addition of carbon dioxide is beneficial to plants. The fish are consuming the dissolved oxygen at the same time. The actual mechanisms of photosynthesis are very**

MP8007 CRYPTOCORYNE UNDULATA RED £11.95  
FAVOURED WATER PARAMETERS

TEMP ° CELCIUS

ACID/ALK pH

GH

KH

NO4 & PO4 CONSUMPTION

## **SPECIMEN SHOW BUNCHES**

### **FROM STOCK**

B7805	PINK AND GREEN MIXTURE	£2.30
B7806	FEATHERY LEAVED MIXTURE	£2.30
B7807	THE FERN MIXTURE	£3.45
B7812	THE FAST GROWING MIXTURE	£2.30
B7808	THE ALL RED MIX	£2.95
B7809	A FOREGROUND MIXTURE	£2.90
B7810	JUMBO MIX 12 PLUS SPECIES	£4.25
B7811	A COLOURFUL MIXTURE	£2.90

complex as are most things in nature that we take for granted. In most animals the energy producing reactions occur internally in the dark, those of Green Plants are solar powered. Simplified there are 2 types of chlorophyll a & b (the green pigments) driving 2 photosystems. The 2nd one of these gives rise to a strong oxidant to split the water molecule. In chlorophyll 4 nitrogen atoms are bound to 1 magnesium. PRO-aqua-PLANT is rich in both these as well as other essential minerals bound in such a way as to be easily metabolised by the plants and remain non toxic to aquarium life. I have not found a chemical additive in safe doses to match the performance of PRO-aqua-PLANT. Photo system one consists of the following :- 200x Antenna chlorophylls, 50X carotenoids. 1X P700 reaction centre, 1X cytochrome c & 1X b. 1X plastocyanin, 1X ferredoxin. 1X soluble ferredoxin-nadp reductase enzyme the last 3 can only be synthesised in the presence of free iron supplied from Pro-Aqua-Plant. Photosystem 2 consists of 200X antenna chlorophylls, 50X carotenoids, 1 P680 reaction centre, 2X primary electron donors, 4X plastoquinone, 6X manganese atoms, & 2X cytochrome b. As well as light plants also need a period of darkness of constant duration each day. This is because although the light reaction produces NADPH & ATP high energy products it is the dark reaction

which uses these high energy bonds to reduce the carbon dioxide.

Now that Pro-Aqua-Plant provides the essential building blocks for this complicated sequence of reactions all you must do is provide 12 to 14 hours of the correct light spectrum. Plants absorb most useful light in the U.V. wavelengths and I have had good results using some of the reptile & marine tubes. Unlike animals plants cannot walk around feeding their faces they must rely on dissolved nutrients in situ. In a wild state this comes from surrounding soil washing into ponds and rivers to form silt. You would be unwise to stock fish so high in number as to strain the filter system to produce enough waste matter to feed your plants in the aquarium. Unlike land plants aquatic plants take in over 90% of the mineral requirements through their leaves and stems, not the roots which are used mainly to hold fast and absorb CO<sub>2</sub> from the waste bacteria excretions in the "mud"/ gravel in the aquarium. All too often plants are put into a new sterile environment flooded with all manner of light, without nutrients and are expected to grow. You do not get a prize winning rose bush from a bucket of sterile sand or gravel and a new aquarium is no different. The only organisms to thrive in these conditions are brown diatoms and blue/green algae which soon cover the plants take all the

light for themselves and ruin the appearance of your aquarium. Never use Pro-Aqua-Plant in an unfiltered tank, it will cause a bloom of free floating organisms that will make the water turbid and not allow proper light transmission to the plants which will suffer. Also some fine particles will come out of the bag initially and a filter will remove these. In some water conditions a temporary precipitation of compounds can occur cause very slight water cloudiness for a few hours, this is nothing to worry about.

Pro-Aqua-Plant is a balanced mixture of metallic ions including iron (Fe) magnesium (Mg) manganese (Mn) chelated calcium (Ca) which will not alter water hardness as well as free nitrogen and phosphorus all bound to a unique carbon compost matrix. This gives a slow release of essential growth minerals over a three month period. Unlike regular addition of chemical additives Pro-Aqua-Plant is there day and night tending to your aquatic plants. I have seen Aponogetons grow 12cms in a week and other bulbs can be allowed to root into the bag until it becomes a mass of root fibres. Unless used for this purpose I advise that exhausted bags be removed after three months and replaced. NEVER BREAK OPEN THE BAGS. Use it and keep your plants alive and healthy longer than ever before! See the results for

**yourself. This product is manufactured  
entirely in the UK.**