

Irish Peatland Conservation Council
A Review of the Use of Peat in the Horticultural
Industry: Key Issues Consultation Paper
January 2020



Sod Moss Production Site, Lullymore, Co. Kildare June 2018, Photo: Tristram Whyte



IRISH PEATLAND CONSERVATION COUNCIL

COMHAIRLE CHAOMHNATHE PHORTAIGH NA hÉIREANN

Lullymore, Rathangan, Co. Kildare, R51 V293, Ireland
Liolach Mór, Rath Iomgáin, Co. Chill Dara, Éire, R51 V293

Tel/Teil: +353-(0)45-860133
e-mail/riomhphost: bogs@ipcc.ie web/idirlíon: www.ipcc.ie

National Peatlands Strategy Co-ordination Unit
Peatland Issues & Land Designation Section
National Parks & Wildlife Service
Department of Culture, Heritage and the Gaeltacht
90 King Street North
Dublin 7
D07 N7 CV
peatinhorticultrereview@chg.gov.ie

15th January 2020

RE: A Review of the Use of Peat in the Horticultural Industry: Key Issues Consultation Paper

Dear Sir/Madam,

The Irish Peatland Conservation Council (IPCC) are an environmental charity that has been campaigning for the wise and sustainable use of peatland for over 35 years. We aim to conserve a representative sample of Irish Peatlands for people to enjoy now and in the future. IPCC have campaigned extensively on the environmental destruction caused by peat extracted for use in horticulture in our Action Plans from 1996 to the present (1,2,3). We regard the inclusion of a review of peat in horticulture within the National Peatland Strategy as an achievement of our campaign on this issue.

The IPCC do not consider this review to be in the spirit of the National Peatlands Strategy (NPS)(8), the Bord na Móna's Sustainability 2030 document (4) and the Strategy for Responsible Peatland Management of the International Peatland Society (5). Any attempt to promote and continue with the large-scale horticultural peat extraction industry in the middle of a movement to protect raised bogs and use peatland resources wisely only demonstrates how horticultural peat producers are oblivious to this movement and intent on co-coercing government policy for short term financial gain.

The horticultural industry has had free reign to destroy substantial habitat for decades as the majority operate outside of planning and licensing and they have done little to protect SAC and NHA raised bog sites as a gesture towards mitigating their destructive impact. At present the optics of the continuation of horticultural peat extraction are very bad indeed. Please examine the photographs attached of Midland raised bog sites currently being removed for horticultural peat without any kind of oversight or where preparatory works were carried out and subsequently undone as intact habitat was being destroyed (see [Figures 1-6](#)).

What's more IPCC find it strange that there is no Carbon Tax included on the millions of bags of horticultural peat being sold to amateur gardeners across the country nor on the 3/4 of a million or more tonnes of horticultural peat being exported from Ireland worldwide. Horticultural peat producers are supplying Irish Garden Centres with almost 100 gardening products - some are peat free others are diluted and the remainder are entirely peat based. All of the bags examined by IPCC are inconsistently labelled with their content and the impact their production is having on biodiversity and climate change is generally being ignored (see [Table 1](#)). This is a bewildering area for members of the public and points to a complete lack of any real attempt to educate and raise awareness by the industry. It is nothing short of greenwashing.

The continued destruction of peatlands for horticulture flies in the face of the Government's Climate Action Plan (6) because globally, peatlands store 25% of Soil Organic Carbon (SOC), this is 3.5 times the amount stored in the tropical rainforests making them the most important terrestrial carbon sequestering habitat on earth. Nationally peat soils account for 75% of Ireland's SOC resource due to the climate being suitable to promote the waterlogged peat forming conditions needed to naturally grow bog-loving plant species.

35 YEARS TAKING ACTION FOR BOGS AND WILDLIFE

Charity Numbers/*Uimhir Carthanacht*: CHY6829 & RCN 20013547 Registered in Ireland No/*Uimhir Cláraithe in Éirinn*: 116156

Registered Office/*Óifig Cláraithe*: Lullymore, Rathangan, Co. Kildare, R51 V293, Ireland

Governance Code Statement of Compliance: IPCC confirm that our organisation complies with The Governance Code for the Community, Voluntary and Charitable Sector in Ireland.

Company Secretary/*Rúnaí Comhlacht*: Rachel Kavanagh

Directors/*Stiúrthóirí*: Martin Kelly, Catherine O'Connell, Rachel Kavanagh, Miriam Mooney, Kate Macnamara, Seán Ó Fearghail.

Patrons/*Pátrúnaí*: Pauline Bewick, Don Conroy, HRH Princess Irene of the Netherlands, Eanna Ní Lamhna, Matthijs Schouten.

Is peat in horticulture actually necessary?

IPCC's position on horticulture stems from the destructive impact of this industry set against our belief that peat is not necessary for horticulture. IPCC question whether the production of horticultural moss peat is commercially viable given the impact it has on the environment. A cost benefit analysis of this use of peat resources needs to be included in the review. The application of a carbon tax and climate mitigation actions are two factors that also need to be included. For example in their own words the leading horticultural peat producer points towards the sustainability of a peat free horticultural industry: Action Point 1 of Bord na Móna's Sustainability 2030 agenda states "*Horticulture, for instance, already substitutes peat with non-peat diluents in its growing media products. We support that agenda and believe that, long term, that should be commercially and environmentally sustainable*". Is this not argument enough for a complete review and cleansing of peat based horticulture immediately? Bord na Móna and other peat producers should not be allowed to substitute the large scale mining of peat for horticulture in place of mining milled peat for electricity generation which has now ceased because of the climate crisis. Indeed the IPCC question the need for this type of unsustainable horticulture product when sustainable alternatives exist that would provide sustainable jobs. The review needs to include evidence from the worldwide market of the sustainable horticultural alternatives such as well decomposed farmyard manure, well decomposed spent mushroom compost, composted coir pith, wood fibres, bark, paper industry waste and other domestic organic waste products in lieu of peat. As it stands this Horticultural Peat review is completely biased in favour of a continuation of the use of peat in horticulture. There are no convincing arguments presented of the significance of the Irish export in the world horticulture market.

Source of Horticultural Peat

Peat is industrially extracted from indigenous wetlands that took up-to 10,000 years to form and are keystone habitats in the Irish landscape. It is estimated that 90% of wetlands in North-Western Europe have been drained and Ireland has seen the effects that this has had on biodiversity, an example being the virtual extinction of the iconic native breeding bird, the Curlew.

Globally, peatlands store 25% of Soil Organic Carbon (SOC), this is 3.5 times the amount stored in the tropical rainforests making them the most important terrestrial carbon sequestering habitat. Nationally peat soils account for 75% of Ireland's SOC resource due to the climate being suitable to promote the waterlogged peat forming conditions needed to naturally grow bog-loving plant species.

Peat used within the horticultural industry is primarily extracted from raised bogs. 50% of Europe's raised bogs are within Ireland giving us an international, national and cultural obligation to protect them. Yet, we are at a point where less than 10% of Ireland's raised bogs are designated for conservation and only 1% of the original area of this habitat is peat-forming. This is a national and global disgrace and is due to them being drained for development, domestic fuel and industrial extraction. Ireland's latest report on "The Status of EU Protected Habitats and Species in Ireland" (Department of Culture, Heritage and the Gaeltacht, 2019) lists the status of raised bog ANNEX I Priority Habitat as "Bad" in geographical range, area, structure/function and future prospects. Ireland is not doing enough to stop the loss of this priority habitat. It is ridiculous that any consideration should be given to the continued exploitation of these habitats for horticultural peat.

Sustainable Employment

The Environmental Protection Agency's report BOGLAND (7) commissioned by government finds that if peatland cutover and cut-aways are not restored to hydrologically and ecologically functioning wetlands they will not withstand the effects of climate change. They will continue to emit greenhouse gases. This will stop Ireland from meeting its emission targets and is disastrous for Ireland's wild flora and fauna which are facing extinction in this biodiversity crisis. IPCC welcome the recent move to halt the extraction of peat for use within the energy sector with the closure of two peat-fired power stations and hope that there is sufficient emphasis on finding alternative employment for those affected focusing on sustainable economies. As production is stopping on many brown-field sites there is an opportunity to restore peat-based wetland habitats, to introduce paludiculture economies, wild crafting, medicinal herbs and natural remedies. All of these activities will reduce our emissions and generate employment. We understand the PSO levy is being re-purposed to provide employment for Bord na Móna peat operatives in the area of rehabilitation but it should not stop here - Ireland needs to add innovative projects that will provide long term employment in the midlands.

Consultation Document

IPCC welcome this consultation on the use of peat within the horticultural industry as was set out as an action for government within the National Peatlands Strategy published in 2015. We have a number of points to make on the consultation paper and expect that they are used and incorporated with the aim of developing policy and environmental oversight of this industrial mining activity which destroys the Irish environment.

Responsibility

Please include a section that indicates who within Government is responsible for the overall management of peatland resources within Ireland. While the finished product is sold within the horticultural sector, it is not clear whether this review considers horticultural peat production as an extractive mining activity or as an agricultural crop that is harvested. Therefore which government department manages this activity?

Licensing

Please include the reason why Bord na Móna is the only moss peat mining company to hold an Integrated Pollution Prevention License when there are many other companies which produce horticultural peat products who have not come under the regulatory system (see page 8 in the review document). the review needs to include the history of peat extraction regulation in Ireland and a timeline for other companies to come under the licensing.

The Importance of Horticulture to the Economy

Please include figures for 2019, 2018 and 2017 within the Peat Exports table in Section 4 of the review combined with the financial value of the exported peat to the Irish economy in each year. It would also be useful to indicate the number of people employed in the production of horticultural peat annually. To allow for a proper financial economic assesment of this industry we also need to see projections for the next 3 years. This would require an assesment of how much peat is left available to the horticulture industry for extraction, the area in hectares from which it is being extracted and how long the industry can last at current and predicted extraction rates. Please clarify as to whether the peat exports are from the Republic of Ireland only. Again IPCC would question whether there really is a global dependance on Irish Moss Peat in Horticulture.

Sectors Reducing Their Peat Use

It is noted in this section that peat free products are viable alternatives, please elaborate on where the peat free products are available and how many products are on the market (see [Table 1](#) and please note IPCC comments on the inconsistencies on labelling content of peat based compost bags). Please also list the countries promoting the use of peat free products and whether the methods used to promote peat free alternatives have been successful or not i.e. has the promotion of peat free products reduced consumption of peat based products in these other countries? IPCC would also like to add that large companies need to be targeted to eliminate their use of peat within their grounds and premises. This should be a requirement for new builds at planning application stage. This would also allow the companies to promote themselves as peat free and also promote the idea of peat free to the public as companies become more environmentally responsible and take positive steps to reduce their carbon footprint.

Properties of Peat Moss versus Compost or Green Waste

Please also include the fact that the nutritional content of peat based composts has been added using chemicals during production because of the naturally low nutrient content of peat. The information included in Section 6 needs to be tabulated for ease of comparison.

Disadvantages of Peat Use in Horticulture

The impact of peat extraction on the environment is under reported within this review. Peat extraction has directly changed the landscape of Ireland through the destruction and removal of this habitat i.e raised bogs. The industrial extraction of peat has brought about the extinction of 1 species - The Rannoch Rush - and has driven many more native species to the brink such as breeding Curlew. Many of Ireland's native animal species utilise peatland at sometime within their lifecycle for food, reproduction or refuge. There is also the loss of other eco-system services such as flood water regulation, retention and filtration.

IPCC can also see that if Ireland does not halt the use of peat products as soon as possible and move to a sustainable horticultural industry peat will run out anyway meaning that Ireland will still have to find replacement jobs but we will have also lost native indigenous habitat not found anywhere else in Europe. If we find replacement jobs now we can stop the loss of priority peatland habitats and wildlife.

Peat-Free Growing Substrates and Difficulties in Usage

As peat use in the horticultural industry is not sustainable (extraction directly destroys the habitat responsible for peat formation) it cannot be justified by dilution with peat-free alternatives. Moss peat use needs to be halted completely if Ireland is to move to a sustainable, carbon neutral economy. Research into peat-diluting materials would be better focussed instead on finding peat-free alternatives so that peat use can stopped indefinitely within the horticultural industry.

Challenges in Moving From the Use of Peat Moss in the Horticultural Industry

As other countries reduce their peat extraction and peat usage due to depletion of finite resources we cannot continue exploiting our Peatlands simply to seize short term profit as market demand overseas increases. It would also be useful to have a list of the countries currently extracting and exporting peat to the global markets included in this review.

Public Consultation Questions

A. What are your views on what more could be done to support and enable the switch to peat free horticulture at professional crop production level and consumer level?

Government support could be given to the businesses with the aim of changing how they operate. For example, all businesses should be disposing of their green waste responsibly and this should feed into a centralised collection facility which manages the production of different types of compost used within the industry. Changes need to be made within all industries to allow the collection of green wastes which would then facilitate a peat-free industry. IPCC would like to point out that a brown waste service does not exist nationwide, perhaps this could be provided by the peat horticultural industry, e.g. Bord na Móna and AES Waste.

B. What are your views on alternatives to the use of peat in the Horticultural Industry (from, for example, the perspective of the professional grower or consumer/amateur gardener)?

It is imperative that peat alternatives are used throughout all industries. It is not being made clear enough within this consultation paper the level of destruction that peat mining causes (there is not one picture of a peat mining site, please see Figures 1-6 in this submission). Peat is not necessary in amateur gardening and IPCC are proof of this as we manage a visitor garden in County Kildare and we do not use peat and we produce all our own compost.

While we accept that there need to be changes within the professional grower industry to allow for the implementation of peat-free alternatives, there are ample quantities of peat-free alternatives available to professional growers including farm-yard manure, bark, coir, worm-castings, wood fibre, leaf mould, green waste and barley compost. Peat does not have organic status. The use of peat by professional growers automatically excludes them from the organic market which is growing and is worth millions of euro annually. Ireland with its notion of being a green Ireland and a producer of quality food should seize the opportunity to grow plants and food organically. This will secure sustainable jobs going forward and a better future for horticulture.

C. What are your views on whether Ireland should cut back or cease the export of peat for use outside of Ireland even if this would result in job losses in Ireland?

IPCC Cannot support further destruction of our peatlands as a means of financial gain regardless of job losses. The IPCC think that jobs in peat horticulture are not sustainable and therefore are not a fair argument to put forward to help justify the continuation of an export peat based horticultural product. The jobs implied are seasonal and un-skilled and are of short duration. Better to create a sustainable organic horticultural industry and to research and trial Sphagnum farming and paludiculture in this context.

D. Do you consider that a working group should be established to advise on how best to overcome the barriers to reducing peat use in professional horticultural crop production and in the amateur horticultural market?

IPCC do not believe there are any barriers to going peat free in amateur gardening. We regard peat moss as a convenience product. It did not exist in gardening 2-3 generations ago. People practiced composting and recycling to make their own soil improvers deflecting waste from landfill and avoiding the expense of disposal. Rather than a working group, IPCC would like to see a task-force created to draw together knowledge and understanding of all the current industrial schemes involving green waste collected from urban and large towns nationwide. This group needs to be resourced from the Carbon Tax.

E. If you are in favour of the establishment of a working group, which stakeholder groups do you think should be represented on it?

Include waste collection bodies (AES, Panda, Greyhound, Thorntons, Oxigen, Greenstar), The Organic Trust, NGOs, EPA, retailers (Woodies, Homebase, Glanbia etc.) and Local Authorities for example.

F. How do you think that those involved in harvesting peat for horticulture could be compensated for any loss arising from a cessation of this activity (for example, on the basis of the profit loss arising or related to the value in ecosystem services retained/provided)?

IPCC are aware of the re-purposing of the PSO Levy and this can be used to re-train workers and help to manage transition. We believe this fund to be worth €20,000,000 annually. This can be topped up with further finance from the new peat-free, organic horticultural industry, which will replace the un-sustainable peat-based industry.

G. How do you think that those involved in harvesting peat for horticulture could be guided towards alternative activities, for example, developing an environmentally suitable alternative material that could replace peat in professional horticultural crop production?

This question should be tackled by the Peat-Free Task Force we suggest you set up.

H. What do you consider the value of peatlands to be to (please score out of 100):

carbon storage	20
nature conservation	20
the provision of ecosystem services	20
the economy	20
social and cultural needs	20
	100

I. In your opinion should the use of peat within (i) the amateur horticultural market and (ii) the professional horticultural industry be phased out over the next 3, 5, 10, 15 or 20 years and if so, how should this be done bearing in mind the potential job losses and the difficulties with alternative growing media?

In our submission IPCC have indicated a zero-tolerance for the use of peat in horticulture for a number of reasons. See Above. Therefore this activity should be phased out immediately and a new sustainable peat-free horticultural industry developed.

J. Does more need to be done to educate and build consumer awareness of peat free products which are available at retail level?

In our submission we have undertaken a review of nearly 100 horticultural products available through leading garden centres (see [Table 1](#)), none of the bags are properly labelled with their content, there is no carbon tax being charged for this product, there is no licensing control on the production of the product and there is no information on steps being taken to protect biodiversity, restore

and rehabilitate production sites and mitigate against carbon loss. This situation is being deliberately manipulated by the peat industry and needs to stop.

Thank you very much for allowing the IPCC to make comments on the use of peat in the horticultural industry review. As you will have gathered we feel very strongly on this issue and we would remind you that we act in the public interest in seeing an end to peat in horticulture and a future organic based sustainable horticultural industry in Ireland.

Yours Faithfully,

A handwritten signature in black ink that reads "Tristram Whyte". The signature is written in a cursive, slightly slanted style.

Tristram Whyte B.Sc (hons) Freshwater Biology
IPCC Conservation Policy & Fundraising Officer

References

1. Foss, P and O'Connell, C, 1996, Irish Peatland Conservation Plan, 2000. IPCC, Dublin.
2. Foss, P, O'Connell, C and Crushell, P, 2001, Bogs and Fens of Ireland Conservation Plan, 2005. IPCC, Dublin.
3. Malone, S and O'Connell, C, 2009. Ireland's Peatland Conservation Action Plan 2020 - Halting the loss of Peatland Biodiversity. IPCC, Kildare.
4. https://www.bordnamona.ie/wp-content/uploads/2016/01/Sustainability_Statement_2015.pdf, Page 6, accessed 27th November 2019.
5. <https://peatlands.org/assets/uploads/2019/10/srpm2019finalforprint.pdf> (Strategy for Responsible Peatland Management 2019)
6. <https://www.dccae.gov.ie/en-ie/climate-action/publications/Pages/Climate-Action-Plan.aspx>
7. <http://erc.epa.ie/safer/iso19115/displayISO19115.jsp?isoID=236> (BOGLAND Report)
8. <https://www.npws.ie/sites/default/files/publications/pdf/NationalPeatlandsStrategy2015EnglishVers.pdf>

Figure 1: Horticultural Peat Production Site - TyrellsPass, Co. Westmeath. Site identified in the field. Image Source - Google Maps Accessed November 2019



Figure 2: Horticultural Peat Production Site - Croghan, Co. Offaly. Site identified in the field. Image Source - Google Maps Accessed November 2019



Figure 3: Horticultural Peat Production Site - Ballysoogan, Cos. Kildare & Offaly (This site was brought into production by Bord na Móna in April 2014 and subsequently the drains inserted were blocked following IPCC intervention). Image Source - Google Maps Accessed November 2019



Figure 4: Horticultural Peat Production Site - Mount Lucas, Co. Offaly. Site identified in the field. Image Source - Google Maps Accessed November 2019



Figure 5: Horticultural Peat Production Site - Cusheen, East of Lough O'Flynn, Co. Roscommon. Image Source - Google Maps Accessed November 2019

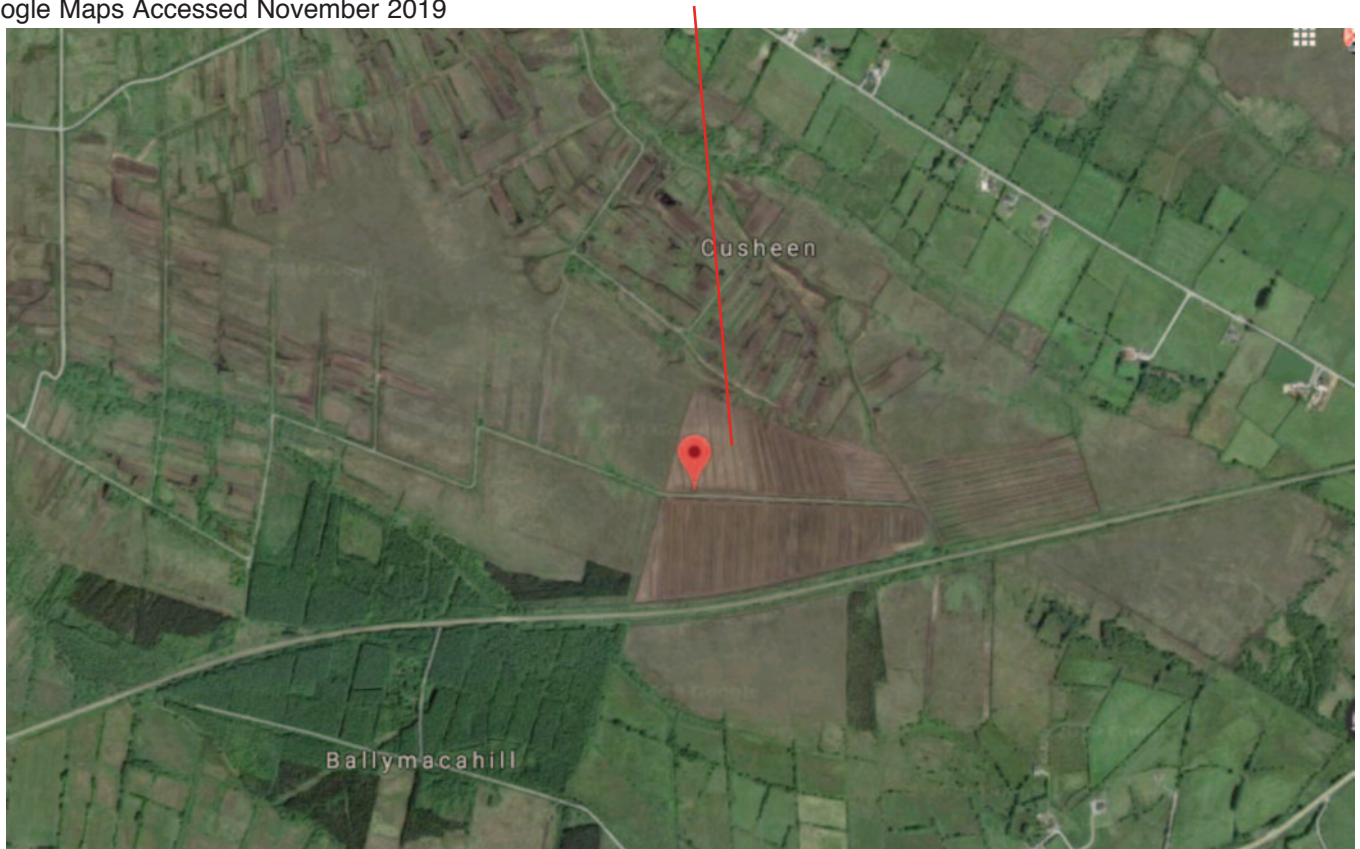


Figure 6: Horticultural Peat Production Site - Mostrim Bog, Co. Longford (This site was brought into production on two occasions by Bord na Móna - 2016 & 2018, subsequently the drains inserted were blocked following IPCC/NPWS intervention. Image Source - Google Maps Accessed November 2019



Table 1

	Table 1: IPCC Horticultural Products Survey 2020 for the Review of the Use of Peat in the Horticultural Industry													
Product Name	Producer Name and Address	Content (non peat) %	Peat Content %	Bag Size Litres	Cost €	Endorsement eg UK Growing Media initiative growing mediainitiative.org.uk	Organic certified	Woodies 37 products at woodies.ie 27/11/2019	B&Q 04/12/2019 58 products	Glanbia 04/12/2019 54 products	McCarthy's Properous 04/12/2019 5 products	Johnstown Garden centre Naas 04/12/2019 21 products at https://johnstowngardencentre.ie/gardening/compost/potting-compost.html?limit=all	Windyridge Store Visit 04/12/2019 20 products at https://shop.windyridgegardencentre.ie/composts-c-31/compost-c-32/	Newlands Garden Centre, Dublin Store Visit 04/12/2019 21 products
West land lawn turf dressing	Westland Horticulture Ltd14 Granville Industrial EstateGranville RoadDungannonCounty TyroneBT70 1NJ				6.95									*
nutrient rich garden soil	Westland Horticulture Ltd14 Granville Industrial EstateGranville RoadDungannonCounty TyroneBT70 1NJ				6.95								*	*
Gro-sure lawn seeding	Westland Horticulture Ltd14 Granville Industrial EstateGranville RoadDungannonCounty TyroneBT70 1NJ	loam sand 40	60	30	6.95									*
Irish moss peat	Westland Horticulture Ltd14 Granville Industrial EstateGranville RoadDungannonCounty TyroneBT70 1NJ		100	100	9.95									*
Gro-sure Ericaceous	Westland Horticulture Ltd14 Granville Industrial EstateGranville RoadDungannonCounty TyroneBT70 1NJ		80	50	7.95			*				*	*	*
Gro-sure Rose Tree and Shrub	Westland Horticulture Ltd14 Granville Industrial EstateGranville RoadDungannonCounty TyroneBT70 1NJ		>50	50	7.95							*		*
New Horizon Peat free	Westland Horticulture Ltd14 Granville Industrial EstateGranville RoadDungannonCounty TyroneBT70 1NJ	100		60	7.50								*	*
Westland grow bag	Westland Horticulture Ltd14 Granville Industrial EstateGranville RoadDungannonCounty TyroneBT70 1NJ				3.95									*
Tomato planter	Westland Horticulture Ltd14 Granville Industrial EstateGranville RoadDungannonCounty TyroneBT70 1NJ				5.95	yes								*
John Innes 1 young plant compost	Westland Horticulture Ltd14 Granville Industrial EstateGranville RoadDungannonCounty TyroneBT70 1NJ		45	10	5.99			*	*			*	*	*
John Innes 2	Westland Horticulture Ltd14 Granville Industrial EstateGranville RoadDungannonCounty TyroneBT70 1NJ	loam,	45	10	5.99			*	*			*	*	*

	Table 1: IPCC Horticultural Products Survey 2020 for the Review of the Use of Peat in the Horticultural Industry													
Product Name	Producer Name and Address	Content (non peat) %	Peat Content %	Bag Size Litres	Cost €	Endorsement eg UK Growing Media initiative growing mediainitiative.org.uk	Organic certified	Woodies 37 products at woodies.ie 27/11/2019	B&Q 04/12/2019 58 products	Glanbia 04/12/2019 54 products	McCarthys Properous 04/12/2019 5 products	Johnstown Garden centre Naas 04/12/2019 21 products at https://johnstowngardencentre.ie/gardening/compost/potting-compost.html?limit=all	Windyridge Store Visit 04/12/2019 20 products at https://shop.windyridgegardencentre.ie/composts-c-31/compost-c-32/	Newlands Garden Centre, Dublin Store Visit 04/12/2019 21 products
John Innes 3 mature plant compost	Westland Horticulture Ltd14 Granville Industrial EstateGranville RoadDungannonCounty TyroneBT70 1NJ		45	10	5.99			*	*			*	*	*
Living green	Living Green, Meenreagh, Cabry, Quigley's Point, Co. Donegal	wormcasts 100		40	7.95		yes						*	*
New Horizon Peat free all veg	Westland Horticulture Ltd14 Granville Industrial EstateGranville RoadDungannonCounty TyroneBT70 1NJ	100		50	8.99							*		*
Jacks Magic	Westland Horticulture Ltd14 Granville Industrial EstateGranville RoadDungannonCounty TyroneBT70 1NJ		99	60	7.99			*				*	*	*
Gro-Sure Farmyard Manure	Westland Horticulture Ltd14 Granville Industrial EstateGranville RoadDungannonCounty TyroneBT70 1NJ				6.95								*	*
Gro-sure soil conditioner	Westland Horticulture Ltd14 Granville Industrial EstateGranville RoadDungannonCounty TyroneBT70 1NJ	100			6.95	yes							*	*
Gro-sure all purpose compost	Westland Horticulture Ltd14 Granville Industrial EstateGranville RoadDungannonCounty TyroneBT70 1NJ		50	50	7.95				*					*
Gro-sure easy container	Westland Horticulture Ltd14 Granville Industrial EstateGranville RoadDungannonCounty TyroneBT70 1NJ			50	7.95							*		*
Multi-purpose compost	Westland Horticulture Ltd14 Granville Industrial EstateGranville RoadDungannonCounty TyroneBT70 1NJ		75	90	8.95									*
Multi-purpose compost	Westland Horticulture Ltd14 Granville Industrial EstateGranville RoadDungannonCounty TyroneBT70 1NJ		75	70	7.95								*	*
Westland decorative bark	Westland Horticulture Ltd14 Granville Industrial EstateGranville RoadDungannonCounty TyroneBT70 1NJ												*	

	Table 1: IPCC Horticultural Products Survey 2020 for the Review of the Use of Peat in the Horticultural Industry														
Product Name	Producer Name and Address	Content (non peat) %	Peat Content %	Bag Size Litres	Cost €	Endorsement eg UK Growing Media initiative growing mediainitiative.org.uk	Organic certified	Woodies 37 products at woodies.ie 27/11/2019	B&Q 04/12/2019 58 products	Glanbia 04/12/2019 54 products	McCarthys Properous 04/12/2019 5 products	Johnstown Garden centre Naas 04/12/2019 21 products at https://johnstowngardencentre.ie/gardening/compost/potting-compost.html?limit=all	Windyridge Store Visit 04/12/2019 20 products at https://shop.windyridgegardencentre.ie/composts-c-31/compost-c-32/	Newlands Garden Centre Dublin Store Visit 04/12/2019 21 products	
John Innes ericaceous	Westland Horticulture Ltd14 Granville Industrial EstateGranville RoadDungannonCounty TyroneBT70 1NJ		<50										*	*	
John Innes seed growing compost	Westland Horticulture Ltd14 Granville Industrial EstateGranville RoadDungannonCounty TyroneBT70 1NJ		45		7.95								*		
Growise Premium Multipurpose with John Innes	Bord na Móna, Main St, Kilbelin, Newbridge, Co. Kildare			50	8.47			*			*				
Shamrock decorative bark mini chip	Bord na Móna, Main St, Kilbelin, Newbridge, Co. Kildare	bark 100		75	8.99			*							
Multi-Purpose compost	Westland Horticulture Ltd14 Granville Industrial EstateGranville RoadDungannonCounty TyroneBT70 1NJ			80	7.99			*							
Miracle Gro All Purpose compost	Miracle Gro		low on peat	50	7.99			*		*					
John Innes Multi-Purpose Compost	Bord na Móna, Main St, Kilbelin, Newbridge, Co. Kildare			60	8.99			*				*	*	*	
Shamrock Brown Gold Eriaceous compost and soil enricher	Bord na Móna, Main St, Kilbelin, Newbridge, Co. Kildare		99	75	8.99			*			*				
Top soil	Westland Horticulture Ltd14 Granville Industrial EstateGranville RoadDungannonCounty TyroneBT70 1NJ			35	6.99			*							
Houseplant Potting mix	Westland Horticulture Ltd14 Granville Industrial EstateGranville RoadDungannonCounty TyroneBT70 1NJ	Seramis granules, Wood fibre		8	7.79			*					*		

	Table 1: IPCC Horticultural Products Survey 2020 for the Review of the Use of Peat in the Horticultural Industry													
Product Name	Producer Name and Address	Content (non peat) %	Peat Content %	Bag Size Litres	Cost €	Endorsement eg UK Growing Media initiative growing mediainitiative.org.uk	Organic certified	Woodies 37 products at woodies.ie 27/11/2019	B&Q 04/12/2019 58 products	Glanbia 04/12/2019 54 products	McCarthy's Properous 04/12/2019 5 products	Johnstown Garden centre Naas 04/12/2019 21 products at https://johnstowngardencentre.ie/gardening/compost/potting-compost.html?limit=all	Windyridge Store Visit 04/12/2019 20 products at https://shop.windyridgegardencentre.ie/composts-c-31/compost-c-32/	Newlands Garden Centre, Dublin Store Visit 04/12/2019 21 products
Growise John Innes, Multi-purpose compost	Bord na Móna, Main St, Kilbelin, Newbridge, Co. Kildare		100	20	4.99			*						
Growise Superfine Bark	Bord na Móna, Main St, Kilbelin, Newbridge, Co. Kildare	bark		50	6.99			*						
Citrus Potting Mix	Westland Horticulture Ltd14 Granville Industrial EstateGranville RoadDungannonCounty TyroneBT70 1NJ	Seramis Granules, Loam-based			7.79			*	*					
Growise Premium Irish Moss Peat	Bord na Móna, Main St, Kilbelin, Newbridge, Co. Kildare		100	75	8.99			*						
Hortons Multi-Purpose compost	Westland Horticulture Ltd14 Granville Industrial EstateGranville RoadDungannonCounty TyroneBT70 1NJ		100	120	9.99			*						
Growbag Medium	Westland Horticulture Ltd14 Granville Industrial EstateGranville RoadDungannonCounty TyroneBT70 1NJ			33	3.69			*						
Cacti and Succulent Potting Mix	Westland Horticulture Ltd14 Granville Industrial EstateGranville RoadDungannonCounty TyroneBT70 1NJ	Sand and Grit, seramis		4	5.49			*	*				*	
New Horizon Peat Free and Organic Multi-Purpose Compost	Westland Horticulture Ltd14 Granville Industrial EstateGranville RoadDungannonCounty TyroneBT70 1NJ	100		50	8.99			*						
Shamrock Potting Compost	Bord na Móna, Main St, Kilbelin, Newbridge, Co. Kildare		99	75	7.99			*		*	*			
Bonsai Potting Mix	Westland Horticulture Ltd14 Granville Industrial EstateGranville RoadDungannonCounty TyroneBT70 1NJ	Loamed based, seramis granules		4	5.49			*					*	
John Innes Seed Sowing Compost	Westland Horticulture Ltd14 Granville Industrial EstateGranville RoadDungannonCounty TyroneBT70 1NJ	high loam content, horticultural grit	peat	10	5.99			*				*	*	

	Table 1: IPCC Horticultural Products Survey 2020 for the Review of the Use of Peat in the Horticultural Industry													
Product Name	Producer Name and Address	Content (non peat) %	Peat Content %	Bag Size Litres	Cost €	Endorsement eg UK Growing Media initiative growing mediainitiative.org.uk	Organic certified	Woodies 37 products at woodies.ie 27/11/2019	B&Q 04/12/2019 58 products	Glanbia 04/12/2019 54 products	McCarthys Properous 04/12/2019 5 products	Johnstown Garden centre Naas 04/12/2019 21 products at https://johnstowngardencentre.ie/gardening/compost/potting-compost.html?limit=all	Windyridge Store Visit 04/12/2019 20 products at https://shop.windyridgegardencentre.ie/composts-c-31/compost-c-32/	Newlands Garden Centre Dublin Store Visit 04/12/2019 21 products
Bulb Planting Compost	Westland Horticulture Ltd14 Granville Industrial EstateGranville RoadDungannonCounty TyroneBT70 1NJ			20	3.50			*						
Growise Multi-Purpose Compost	Bord na Móna, Main St, Kilbelin, Newbridge, Co. Kildare			50	6.00			*	*					
Decorative Mini Bark	Westland Horticulture Ltd14 Granville Industrial EstateGranville RoadDungannonCounty TyroneBT70 1NJ	bark 100		100	9.99			*					*	
Orchid Potting Mix	Westland Horticulture Ltd14 Granville Industrial EstateGranville RoadDungannonCounty TyroneBT70 1NJ	Seramis and pine bark		4	7.79			*	*				*	
Multi-Purpose Compost	Westland Horticulture Ltd14 Granville Industrial EstateGranville RoadDungannonCounty TyroneBT70 1NJ	100		50	6.99			*						
Shamrock Multi-Purpose Compost	Bord na Móna, Main St, Kilbelin, Newbridge, Co. Kildare		Peat	75	7.95					*				
Growise Pro All Purpose Compost	Bord na Móna, Main St, Kilbelin, Newbridge, Co. Kildare		peat	50	6.95					*				
Growise Citrus Compost	Bord na Móna, Main St, Kilbelin, Newbridge, Co. Kildare			10	5.99					*				
Growise Houseplant Compost	Bord na Móna, Main St, Kilbelin, Newbridge, Co. Kildare			10	5.99					*				
Growise Potting mix	Bord na Móna, Main St, Kilbelin, Newbridge, Co. Kildare	Bark		10	5.99					*				
Growise Organic vegetable compost	Bord na Móna, Main St, Kilbelin, Newbridge, Co. Kildare	Bark, Organic green compost,	0	50	6.95					*				
Growise John Innes 2	Bord na Móna, Main St, Kilbelin, Newbridge, Co. Kildare	loam, grit	45	10	4.99					*				

	Table 1: IPCC Horticultural Products Survey 2020 for the Review of the Use of Peat in the Horticultural Industry													
Product Name	Producer Name and Address	Content (non peat) %	Peat Content %	Bag Size Litres	Cost €	Endorsement eg UK Growing Media initiative growing mediainitiative.org.uk	Organic certified	Woodies 37 products at woodies.ie 27/11/2019	B&Q 04/12/2019 58 products	Glanbia 04/12/2019 54 products	McCarthys Properous 04/12/2019 5 products	Johnstown Garden centre Naas 04/12/2019 21 products at https://johnstowngardencentre.ie/gardening/compost/potting-compost.html?limit=all	Windyridge Store Visit 04/12/2019 20 products at https://shop.windyridgegardencentre.ie/composts-c-31/compost-c-32/	Newlands Garden Centre, Dublin Store Visit 04/12/2019 21 products
Growise Orchid Potting Mix	Bord na Móna, Main St, Kilbelin, Newbridge, Co. Kildare					With Growise Bord na Móna is committed to the responsible use of peats and peatlands. This product has been produced as part of an environmental policy which recognises the need to preserve peatlands.				*				
Growise John Innes Seed	Bord na Móna, Main St, Kilbelin, Newbridge, Co. Kildare	loam, sand	peat	10	4.99					*				
Miracle Gro Peat Free Multi-Purpose Compost	Bord na Móna, Main St, Kilbelin, Newbridge, Co. Kildare	100		8	6.45					*				
Growise John Innes 3	Bord na Móna, Main St, Kilbelin, Newbridge, Co. Kildare			10	4.99					*				
Growise Ericaceous Compost	Bord na Móna, Main St, Kilbelin, Newbridge, Co. Kildare			50	6.95					*				
Westland Bulb Planting Compost	Westland Horticulture Ltd14 Granville Industrial EstateGranville RoadDungannonCounty TyroneBT70 1NJ	Wood Fibre	peat	10	4.94				*	*				
Shamrock seed and Potting compost	Bord na Móna, Main St, Kilbelin, Newbridge, Co. Kildare		99	75	6.95					*				
Growise Cactuse and Bonsai	Bord na Móna, Main St, Kilbelin, Newbridge, Co. Kildare			10	5.99					*				
Growise Seed and Cutting Compost	Bord na Móna, Main St, Kilbelin, Newbridge, Co. Kildare			50	6.95					*				
Growise Tub and Basket Compost	Bord na Móna, Main St, Kilbelin, Newbridge, Co. Kildare			50	6.95					*				
Growise Rose Tree and Shrub	Bord na Móna, Main St, Kilbelin, Newbridge, Co. Kildare			50	6.95					*				

	Table 1: IPCC Horticultural Products Survey 2020 for the Review of the Use of Peat in the Horticultural Industry													
Product Name	Producer Name and Address	Content (non peat) %	Peat Content %	Bag Size Litres	Cost €	Endorsement eg UK Growing Media initiative growing mediainitiative.org.uk	Organic certified	Woodies 37 products at woodies.ie 27/11/2019	B&Q 04/12/2019 58 products	Glanbia 04/12/2019 54 products	McCarthy's Properous 04/12/2019 5 products	Johnstown Garden centre Naas 04/12/2019 21 products at https://johnstowngardencentre.ie/gardening/compost/potting-compost.html?limit=all	Windyridge Store Visit 04/12/2019 20 products at https://shop.windyridgegardencentre.ie/composts-c-31/compost-c-32/	Newlands Garden Centre Dublin Store Visit 04/12/2019 21 products
Growise Premium Multipurpose with John Innes	Bord na Móna, Main St, Kilbelin, Newbridge, Co. Kildare				7.95					*				
Aquatic compost	Westland Horticulture Ltd14 Granville Industrial EstateGranville RoadDungannonCounty TyroneBT70 1NJ	sterilised soil and grit		20	7.99				*					
The Gardeners Multi-Purpose Compost	Westland Horticulture Ltd14 Granville Industrial EstateGranville RoadDungannonCounty TyroneBT70 1NJ		peat	90	8.99				*			*		*
Gro-Sure Container and Baskets Compost	Westland Horticulture Ltd14 Granville Industrial EstateGranville RoadDungannonCounty TyroneBT70 1NJ			50					*					
Herb Potting Mix	Westland Horticulture Ltd14 Granville Industrial EstateGranville RoadDungannonCounty TyroneBT70 1NJ	Loam, Grit, Sand, Essential Nutrients	Peat	8	2.45				*					
Verve multipurpose compost	B&Q	green compost	peat	10	4.91				*					
Verve Ericaceous compost	B&Q	30% peat free	Mixture of Peat	20	3.85				*					
Verve Large Landscape bark	B&Q	timber		100	9.22				*					
Gro-Sure Tomato Planter	B&Q		Mixture of Peat	55	6.81				*			*		*
Verve Sowing and Cutting Compost	B&Q		Mixture of Peat	20	4.32				*					
Verve Container and Basket Enriched Compost	B&Q		Mixture of Peat	50	5.84				*					

	Table 1: IPCC Horticultural Products Survey 2020 for the Review of the Use of Peat in the Horticultural Industry													
Product Name	Producer Name and Address	Content (non peat) %	Peat Content %	Bag Size Litres	Cost €	Endorsement eg UK Growing Media initiative growing mediainitiative.org.uk	Organic certified	Woodies 37 products at woodies.ie 27/11/2019	B&Q 04/12/2019 58 products	Glanbia 04/12/2019 54 products	McCarthy's Properous 04/12/2019 5 products	Johnstown Garden centre Naas 04/12/2019 21 products at https://johnstowngardencentre.ie/gardening/compost/potting-compost.html?limit=all	Windyridge Store Visit 04/12/2019 20 products at https://shop.windyridgegardencentre.ie/composts-c-31/compost-c-32/	Newlands Garden Centre Dublin Store Visit 04/12/2019 21 products
Westland Seed and Cutting Compost	Westland Horticulture Ltd14 Granville Industrial EstateGranville RoadDungannonCounty TyroneBT70 1NJ	Sand	Fine Grade Peat	10	4.65				*					
Gro-Sure Compost	Westland Horticulture Ltd14 Granville Industrial EstateGranville RoadDungannonCounty TyroneBT70 1NJ	Coir		50	6.87				*					
Verve Top Soil	B&Q	Sterilised Loam		25	4.61				*					
Verve Fruit and Vegetable Growing Bag	B&Q		Mixture of Peat	27	2.36				*					
Verve Bark Chippings	B&Q	Timber		100	9.22				*					
Westland Chicken pellets	Westland Horticulture Ltd14 Granville Industrial EstateGranville RoadDungannonCounty TyroneBT70 1NJ	Poultry manure		10	16.61				*					
Verve Horse Manure Soil improver	B&Q	Bark fines, mushroom compost and stable residue		50	5.15				*					
Verve Peat Free Multipurpose compost	B&Q	green compost		50	4.91				*					
Verve Compost additive	B&Q	Vermiculite		10	9.46				*					
Verve soil improver	B&Q	Brak fines and green compost		50	5.15				*					
Verve Season long multipurpose compost	B&Q	Green Compost		50	5.74				*					
Gro-sure Perlite	Westland Horticulture Ltd14 Granville Industrial EstateGranville RoadDungannonCounty TyroneBT70 1NJ			10	11.99									*

	Table 1: IPCC Horticultural Products Survey 2020 for the Review of the Use of Peat in the Horticultural Industry														
Product Name	Producer Name and Address	Content (non peat) %	Peat Content %	Bag Size Litres	Cost €	Endorsement eg UK Growing Media initiative growing mediainitiative.org.uk	Organic certified	Woodies 37 products at woodies.ie 27/11/2019	B&Q 04/12/2019 58 products	Glanbia 04/12/2019 54 products	McCarthy's Properous 04/12/2019 5 products	Johnstown Garden centre Naas 04/12/2019 21 products at https://johnstowngardencentre.ie/gardening/compost/potting-compost.html?limit=all	Windyridge Store Visit 04/12/2019 20 products at https://shop.windyridgegardencentre.ie/composts-c-31/compost-c-32/	Newlands Garden Centre Dublin Store Visit 04/12/2019 21 products	
Potting grit	Westland Horticulture Ltd14 Granville Industrial EstateGranville RoadDungannonCounty TyroneBT70 1NJ	Grit		20	5.99									*	
Hydroleca Clay Granules	WestlandWestland Horticulture Ltd14 Granville Industrial EstateGranville RoadDungannonCounty TyroneBT70 1NJ			10	12.99									*	
Lawn and turf dressing	Westland Horticulture Ltd14 Granville Industrial EstateGranville RoadDungannonCounty TyroneBT70 1NJ	Fine sieved loam and sand	peat	25	6.99									*	
New Horizon All Plant Mix	Westland Horticulture Ltd14 Granville Industrial EstateGranville RoadDungannonCounty TyroneBT70 1NJ	Plant based.		60	8.99									*	
Growise Farmyard Manure	Bord na Móna, Main St, Kilbelin, Newbridge, Co. Kildare			50	6.50						*				
Enriched Topsoil	Westland Horticulture Ltd14 Granville Industrial EstateGranville RoadDungannonCounty TyroneBT70 1NJ			35	6.99								*		
West+ Eriaceou s	Westland Horticulture Ltd14 Granville Industrial EstateGranville RoadDungannonCounty TyroneBT70 1NJ			50	7.95										
Decorative Bark Medium Chip	Bord na Móna, Main St, Kilbelin, Newbridge, Co. Kildare			75	8.00						*				
Landscape bark	Westland Horticulture Ltd14 Granville Industrial EstateGranville RoadDungannonCounty TyroneBT70 1NJ			100	9.99							*			
Gro-Sure Seed and Cutting Compost	Westland Horticulture Ltd14 Granville Industrial EstateGranville RoadDungannonCounty TyroneBT70 1NJ			10	4.99							*			
Organic Farmyard Manure	Westland Horticulture Ltd14 Granville Industrial EstateGranville RoadDungannonCounty TyroneBT70 1NJ			60	6.99								*		