



NN UЛO CALENDAR

HOW TO TAKE PART



REGISTER

of participating email your name and farm name to waders@bto.org to let us know you're thinking Register your interest: Using our online form (https://bit.ly/BTO_WaderSurvey) or



SURVEY PERIOD

First week of April to the last week of July.

SURVEY AREA

basic unit of area for the Wader Calendar, but if you need to use another area unit numbered., Use the same numbers in your weekly counts (below). Fields are the whole farm or a portion. Attach a map of your farm's survey area with the fields unenclosed land), you can do so by marking these areas on your map as 'Field 1', that is not a field (e.g., you want to provide counts for part of a very large field or Survey Area: Decide which area you want to provide counts for. This can be your 'Field 2', etc..). If needed, contact us at <u>waders@bto.org</u> for map assistance.

WEEKLY COUNTS

Use these categories: One point during each week (note time/date), try to estimate counts for each species, in each field

- Total count (T) of potentially breeding birds, so please don't include temporary flocks seen in fields (these can be included in the notes column
- nests or chicks are nearby) include counts of chicks seen (and species) in the notes column Breeding evidence (B) the total number of birds observed displaying or 'singing', seen on nests, with chicks, or repeatedly alarm-calling/agitated and/or reluctant to leave the area (a sign

TIPS ON COUNTS

- than there are birds in total). Remember, B count can't exceed T (i.e., there can't be more birds showing breeding evidence
- guide), but don't worry if you're ever unsure just do your best estimate and note wherever Read our guidance on recognising wader behaviours (www.bto.org/wader-survey-behaviouryou're unsure in the Notes column.
- species in that field that week. No need to fill in zero counts; we assume blank cells mean you did not see that
- For missed counts within a week, strike out the row (field you did not visit) or column (species or breeding evidence you did not look for)
- For missed weeks, tick the missed week box at the beginning of that page

KEY WADER BEHAVIOURS

The Breeding (B) category may require recognising key wader behaviours. Territorial displays and 'song' and alarm/agitation behaviours may be difficult to recognise for beginners, but they become easier to recognise with a little practice.

specific area (their breeding territory), or from the ground or perched on a fencepost or wall. nest or intend to. Waders display when they have settled on breeding grounds, and it is a good sign they have laid a Display and 'song' tends to be lengthy, melodic, and varied calls waders make in flight over a

hatching, they: When waders are alarm-calling and agitated because they have chicks or have nests close ರ

- Persistently make repeated, less melodic alarm-calls (which often sound panicked)
- Show a reluctance to leave the area (when not breeding, or early on nests, waders tend to just leave the area to avoid potential danger)
- May fly aggressively towards an intruder or circle above them
- include waders that make one or two quick calls, then leave the area in the Breeding (B) count. a good chance it is either displaying or alarm-calling, indicating it is Breeding (B). Do not A good rule of thumb is if a wader is making noise for longer than a couple of seconds, there is



We have produced guidance on interpreting behaviours of the Wader Calendar target species, available at <u>www.bto.org/wader-survey-behaviour-guide</u>, if you wish to visit that webpage

do, so please don't get too hung up on recognising behaviours! The key thing to remember is to just do your best. We hope the survey is simple and enjoyable to

FARM DETAILS AND FIELD MANAGEMEN

Field Management sections at the end of the survey period before returning your Wader Calendar and harvest dates in each field included in your Wader Calendar. Complete the Farm Details and Though it isn't essential, it is extremely valuable if you keep and provide notes on stocking, cutting,

RETURNING YOUR WADER CALENDAR

Scan©), however if you'd prefer, simply post it to FAO: Wader Project Officer, BTO Scotland, Unit waders@bto.org. You can create a scan using a smartphone with a PDF scanning app. (e.g. Adobe before the 30 November 2022, email a scan/photo of your completed Recording Form to 15 Beta Centre, Stirling University, Innovation Park, Stirling, FK9 4NF.

Week 1: Monday 31st March to Sunday 6th April

- Please tick the relevant box if: 🗆 I did not observe any waders in any field this week or 🗆 I did not undertake counts this week
- We will assume any blank cells = 0 (unless you tick latter box above), so there is no need to fill in a 0 for every cell if your estimate was 0
- If you didn't look out for a species, or did not visit a field, please strike out that row or column with a solid line (i.e. _____)

Field	Cur	lew	Lap	wing	Oysterc	catcher	Reds	hank	Sni	ipe	Ot	her	Date and time of count (approx. is	Notos
number	Т	В	Т	В	T	В	T	В	Т	В	Т	В	fine)	Notes
Field 1														
Field 2														
Field 3														
Field 4														
Field 5														
Field 6														
Field 7														
Field 8														
Field 9														
Field 10														
Field 11														
Field 12														
Field 13														
Field 14														
Field 15														

Week 2: Monday 7th April to Sunday 13th April

- Please tick the relevant box if: 🗆 I did not observe any waders in any field this week or 🗆 I did not undertake counts this week
- We will assume any blank cells = 0 (unless you tick latter box above), so there is no need to fill in a 0 for every cell if your estimate was 0
- If you didn't look out for a species, or did not visit a field, please strike out that row or column with a solid line (i.e. _____)

Field	Cui	lew	Lap	wing	Oysterc	catcher	Reds	hank	Sni	ре	Otl	her	Date and time of count (approx. is	Nata
number	Т	В	Т	В	T	В	T	В	Ţ	В	Т	В	fine)	Notes
Field 1														
Field 2														
Field 3														
Field 4														
Field 5														
Field 6														
Field 7														
Field 8														
Field 9														
Field 10														
Field 11														
Field 12														
Field 13														
Field 14														
Field 15														

Week 3: Monday 14th April to Sunday 20th April

- Please tick the relevant box if: 🗆 I did not observe any waders in any field this week or 🗆 I did not undertake counts this week
- We will assume any blank cells = 0 (unless you tick latter box above), so there is no need to fill in a 0 for every cell if your estimate was 0
- If you didn't look out for a species, or did not visit a field, please strike out that row or column with a solid line (i.e. _____)

Field	Cui	lew	Lap	wing	Oysterc	catcher	Reds	hank	Sni	pe	Ot	her	Date and time of count (approx. is	Notos
number	Т	В	Т	В	T	В	T	В	Т	В	Т	В	fine)	Notes
Field 1														
Field 2														
Field 3														
Field 4														
Field 5														
Field 6														
Field 7														
Field 8														
Field 9														
Field 10														
Field 11														
Field 12														
Field 13														
Field 14														
Field 15														

Week 4: Monday 21st April to Sunday 27th April

- Please tick the relevant box if: 🗆 I did not observe any waders in any field this week or 🗆 I did not undertake counts this week
- We will assume any blank cells = 0 (unless you tick latter box above), so there is no need to fill in a 0 for every cell if your estimate was 0
- If you didn't look out for a species, or did not visit a field, please strike out that row or column with a solid line (i.e. _____)

Field	Cui	lew	Lap	wing	Oysterc	catcher	Reds	hank	Sni	pe	Ot	her	Date and time of count (approx. is	Notos
number	Т	В	Т	В	T	В	T	В	Т	В	Т	В	fine)	Notes
Field 1														
Field 2														
Field 3														
Field 4														
Field 5														
Field 6														
Field 7														
Field 8														
Field 9														
Field 10														
Field 11														
Field 12														
Field 13														
Field 14														
Field 15														

Week 5: Monday 28th April to Sunday 4th May

- Please tick the relevant box if: 🗆 I did not observe any waders in any field this week or 🗆 I did not undertake counts this week
- We will assume any blank cells = 0 (unless you tick latter box above), so there is no need to fill in a 0 for every cell if your estimate was 0
- If you didn't look out for a species, or did not visit a field, please strike out that row or column with a solid line (i.e. _____)

Field	Cur	lew	Lap	wing	Oysterc	catcher	Reds	hank	Sn	ipe	Ot	her	Date and time of count (approx. is	Notos
number	Т	В	Т	В	T	В	T	В	Т	В	Т	В	fine)	Notes
Field 1														
Field 2														
Field 3														
Field 4														
Field 5														
Field 6														
Field 7														
Field 8														
Field 9														
Field 10														
Field 11														
Field 12														
Field 13														
Field 14														
Field 15														

Week 6: Monday 5th May to Sunday 11th May

- Please tick the relevant box if: 🗆 I did not observe any waders in any field this week or 🗆 I did not undertake counts this week
- We will assume any blank cells = 0 (unless you tick latter box above), so there is no need to fill in a 0 for every cell if your estimate was 0
- If you didn't look out for a species, or did not visit a field, please strike out that row or column with a solid line (i.e. _____)

Field	Cui	lew	Lap	wing	Oysterc	catcher	Reds	hank	Sni	pe	Ot	her	Date and time of count (approx. is	Notos
number	Т	В	Т	В	Т	В	T	В	Т	В	Т	В	fine)	Notes
Field 1														
Field 2														
Field 3														
Field 4														
Field 5														
Field 6														
Field 7														
Field 8														
Field 9														
Field 10														
Field 11														
Field 12														
Field 13														
Field 14														
Field 15														

Week 7: Monday 12th May to Sunday 18th May

- Please tick the relevant box if: 🗆 I did not observe any waders in any field this week or 🗆 I did not undertake counts this week
- We will assume any blank cells = 0 (unless you tick latter box above), so there is no need to fill in a 0 for every cell if your estimate was 0
- If you didn't look out for a species, or did not visit a field, please strike out that row or column with a solid line (i.e. _____)

Field	Cur	lew	Lap	wing	Oysterc	catcher	Reds	hank	Sn	ipe	Ot	her	Date and time of count (approx. is	Notos
number	Т	В	Т	В	T	В	T	В	Т	В	Т	В	fine)	Notes
Field 1														
Field 2														
Field 3														
Field 4														
Field 5														
Field 6														
Field 7														
Field 8														
Field 9														
Field 10														
Field 11														
Field 12														
Field 13														
Field 14														
Field 15														

Week 8: Monday 19th May to Sunday 25th May

- Please tick the relevant box if: 🗆 I did not observe any waders in any field this week or 🗆 I did not undertake counts this week
- We will assume any blank cells = 0 (unless you tick latter box above), so there is no need to fill in a 0 for every cell if your estimate was 0
- If you didn't look out for a species, or did not visit a field, please strike out that row or column with a solid line (i.e. _____)

Field	Cur	lew	Lap	wing	Oysterc	catcher	Reds	hank	Sn	ipe	Ot	her	Date and time of count (approx. is	Notos
number	Т	В	Т	В	T	В	T	В	Т	В	Т	В	fine)	Notes
Field 1														
Field 2														
Field 3														
Field 4														
Field 5														
Field 6														
Field 7														
Field 8														
Field 9														
Field 10														
Field 11														
Field 12														
Field 13														
Field 14														
Field 15														

Week 9: Monday 26th May to Sunday 1st June

- Please tick the relevant box if: 🗆 I did not observe any waders in any field this week or 🗆 I did not undertake counts this week
- We will assume any blank cells = 0 (unless you tick latter box above), so there is no need to fill in a 0 for every cell if your estimate was 0
- If you didn't look out for a species, or did not visit a field, please strike out that row or column with a solid line (i.e. _____)

Field	Cur	lew	Lap	wing	Oysterc	catcher	Reds	hank	Sn	ipe	Ot	her	Date and time of	Notes
number	Т	В	Т	В	T	В	T	В	Т	В	Т	В	Date and time of count (approx. is fine)	NOTES
Field 1														
Field 2														
Field 3														
Field 4														
Field 5														
Field 6														
Field 7														
Field 8														
Field 9														
Field 10														
Field 11														
Field 12														
Field 13														
Field 14														
Field 15														

Week 10: Monday 2nd June to Sunday 8th June

- Please tick the relevant box if: 🗆 I did not observe any waders in any field this week or 🗆 I did not undertake counts this week
- We will assume any blank cells = 0 (unless you tick latter box above), so there is no need to fill in a 0 for every cell if your estimate was 0
- If you didn't look out for a species, or did not visit a field, please strike out that row or column with a solid line (i.e. _____)

Field	Cui	lew	Lap	wing	Oysterc	catcher	Reds	hank	Sni	pe	Ot	ner	Date and time of count (approx. is	Notos
number	Т	В	Т	В	Т	В	Т	В	Т	В	Т	В	fine)	Notes
Field 1														
Field 2														
Field 3														
Field 4														
Field 5									look					
Field 6														
Field 7														
Field 8														
Field 9														
Field 10														
Field 11														
Field 12														
Field 13														
Field 14														
Field 15														

Week 11: Monday 9th June to Sunday 15th June

- Please tick the relevant box if: 🗆 I did not observe any waders in any field this week or 🗆 I did not undertake counts this week
- We will assume any blank cells = 0 (unless you tick latter box above), so there is no need to fill in a 0 for every cell if your estimate was 0
- If you didn't look out for a species, or did not visit a field, please strike out that row or column with a solid line (i.e. _____)

Field	Cur	lew	Lap	wing	Oysterc	catcher	Reds	hank	Sni	ipe	Ot	her	Date and time of count (approx. is	Nata
number	Т	В	Т	В	T	В	Т	В	Т	В	Т	В	fine)	Notes
Field 1														
Field 2														
Field 3														
Field 4														
Field 5														
Field 6														
Field 7														
Field 8														
Field 9														
Field 10														
Field 11														
Field 12														
Field 13														
Field 14														
Field 15														

Week 12: Monday 16th June to Sunday 22nd June

- Please tick the relevant box if: 🗆 I did not observe any waders in any field this week or 🗆 I did not undertake counts this week
- We will assume any blank cells = 0 (unless you tick latter box above), so there is no need to fill in a 0 for every cell if your estimate was 0
- If you didn't look out for a species, or did not visit a field, please strike out that row or column with a solid line (i.e. _____)

Field	Cur	lew	Lap	wing	Oysterc	catcher	Reds	hank	Sni	ipe	Ot	her	Date and time of count (approx. is	Nata
number	Т	В	Т	В	T	В	Т	В	Т	В	Т	В	fine)	Notes
Field 1														
Field 2														
Field 3														
Field 4														
Field 5														
Field 6														
Field 7														
Field 8														
Field 9														
Field 10														
Field 11														
Field 12														
Field 13														
Field 14														
Field 15														

Week 13: Monday 23rd June to Sunday 29th June

- Please tick the relevant box if: 🗆 I did not observe any waders in any field this week or 🗆 I did not undertake counts this week
- We will assume any blank cells = 0 (unless you tick latter box above), so there is no need to fill in a 0 for every cell if your estimate was 0
- If you didn't look out for a species, or did not visit a field, please strike out that row or column with a solid line (i.e. _____)

Field	Cur	lew	Lap	wing	Oystercatcher		Reds	hank	Sni	ре	Otl	her	Date and time of count (approx. is	Nista
number	Т	В	Т	В	Т	В	Т	В	Т	В	Т	В	fine)	Notes
Field 1														
Field 2														
Field 3														
Field 4														
Field 5														
Field 6														
Field 7														
Field 8														
Field 9														
Field 10														
Field 11														
Field 12														
Field 13														
Field 14														
Field 15														

Week 14: Monday 30th June to Sunday 6th July

- Please tick the relevant box if: 🗆 I did not observe any waders in any field this week or 🗆 I did not undertake counts this week
- We will assume any blank cells = 0 (unless you tick latter box above), so there is no need to fill in a 0 for every cell if your estimate was 0
- If you didn't look out for a species, or did not visit a field, please strike out that row or column with a solid line (i.e. _____)

Field	Cur	lew	Lap	wing	Oystercatcher		Reds	hank	Sni	ipe	Ot	her	Date and time of count (approx. is	Notos
number	Т	В	Т	В	Т	В	Т	В	Т	В	Т	В	fine)	Notes
Field 1														
Field 2														
Field 3														
Field 4														
Field 5														
Field 6														
Field 7														
Field 8														
Field 9														
Field 10														
Field 11														
Field 12														
Field 13														
Field 14														
Field 15														

Week 15: Monday 7th July to Sunday 13th July

- Please tick the relevant box if: 🗆 I did not observe any waders in any field this week or 🗆 I did not undertake counts this week
- We will assume any blank cells = 0 (unless you tick latter box above), so there is no need to fill in a 0 for every cell if your estimate was 0
- If you didn't look out for a species, or did not visit a field, please strike out that row or column with a solid line (i.e. _____)

Field	Cui	lew	Lap	wing	Oystercatcher		Reds	hank	Sni	ре	Otl	her	Date and time of count (approx. is	Nata
number	Т	В	Т	В	T	В	T	В	Ţ	В	Т	В	fine)	Notes
Field 1														
Field 2														
Field 3														
Field 4														
Field 5														
Field 6														
Field 7														
Field 8														
Field 9														
Field 10														
Field 11														
Field 12														
Field 13														
Field 14														
Field 15														

Week 16: Monday 14th July to Sunday 20th July

- Please tick the relevant box if: 🗆 I did not observe any waders in any field this week or 🗆 I did not undertake counts this week
- We will assume any blank cells = 0 (unless you tick latter box above), so there is no need to fill in a 0 for every cell if your estimate was 0
- If you didn't look out for a species, or did not visit a field, please strike out that row or column with a solid line (i.e. _____)

Field	Cur	lew	Lap	wing	Oystercatcher		Reds	hank	Sni	ipe	Ot	her	Date and time of count (approx. is	Notos
number	Т	В	Т	В	Т	В	Т	В	Т	В	Т	В	fine)	Notes
Field 1														
Field 2														
Field 3														
Field 4														
Field 5														
Field 6														
Field 7														
Field 8														
Field 9														
Field 10														
Field 11														
Field 12														
Field 13														
Field 14														
Field 15														

Week 17: Monday 21st July to Sunday 27th July

- Please tick the relevant box if: 🗆 I did not observe any waders in any field this week or 🗆 I did not undertake counts this week
- We will assume any blank cells = 0 (unless you tick latter box above), so there is no need to fill in a 0 for every cell if your estimate was 0
- If you didn't look out for a species, or did not visit a field, please strike out that row or column with a solid line (i.e. _____)

Field	Cur	lew	Lap	wing	Oysterc	catcher	Reds	hank	Sni	ipe	Ot	her	Date and time of count (approx. is	Notos
number	Т	В	Т	В	Т	В	T	В	Т	В	Т	В	fine)	Notes
Field 1														
Field 2														
Field 3														
Field 4														
Field 5														
Field 6														
Field 7														
Field 8														
Field 9														
Field 10														
Field 11														
Field 12														
Field 13														
Field 14														
Field 15														

Week 17: Monday 28th July to Sunday 3rd August

- Please tick the relevant box if: 🗆 I did not observe any waders in any field this week or 🗆 I did not undertake counts this week
- We will assume any blank cells = 0 (unless you tick latter box above), so there is no need to fill in a 0 for every cell if your estimate was 0
- If you didn't look out for a species, or did not visit a field, please strike out that row or column with a solid line (i.e. _____)

Field	Cur	lew	Lap	wing	Oysterc	catcher	Reds	hank	Sni	ipe	Ot	her	Date and time of count (approx. is	Notos
number	Т	В	Т	В	Т	В	T	В	Т	В	Т	В	fine)	Notes
Field 1														
Field 2														
Field 3														
Field 4														
Field 5														
Field 6														
Field 7														
Field 8														
Field 9														
Field 10														
Field 11														
Field 12														
Field 13														
Field 14														
Field 15														

That's it for 2025! Thank you for undertaking this survey and helping to increase our knowledge of waders on farmland, to better conserve these wonderful birds. Please insert the map of your study area for this Wader Calendar booklet, with fields numbered to match the field numbers in your Wader Calendar booklet. This is important. It is especially helpful if you can provide a summary of the management of each of these fields in the table on the next page. Then fill in Farm Details below and email photos/scan to waders@bto.org, or post to: Wader Calendar, BTO Scotland, Unit 15 Beta Centre, Stirling University Innovation Park, FK9 4NF. We will store and use this information adhering to the BTO Policy on Data and Information (https://www.bto.org/our-science/data/data-and-information-policy).

FARM DETAILS : SURVEY AREA

Farm Name	Approximate central grid reference:	
Farm Address	Observer name(s)	
Contact email	Contact telephone (optional):	
Notes on survey area (optional):		

RELEVANT MANAGEMENT

Number of gamekeepers active on the survey area (1 = full-time, or equivalent, 0.5 = part-time, or equivalent, 0 = none)	Wader-specific habitat management	
Notes on gamekeeper effort, other predator control, and wader-specific management:		
If you spread muck or slurry, please provide details of each, on which fields, and dates you do so:		

RELEVANT MANAGEMENT

Please enter each field's land use, livestock, grass-cutting, and arable information as best as you can, with supporting notes (see guidance on filling this table in on the next page). If you are unclear about anything below, please contact us at wader@bto.org.

Field	Field type	Live	stock (all yec field stoc	ar, or just Apr ck movemen	il-July if 5 or r ts in year)	nore	Gro	ass cuts (all ye	ear)	Arable (a for au	l year, or pre tumn/winter	evious year -sown)	Notor
number	Field type	Stock species & breed	Date & no of stock in	Date & no of stock out	Date & number of stock in	Date & number of stock out	Date 1st cut	Date 2 nd cut	Date 3 rd cut	Crop type	Seeded date	Harv est date	Notes
Field 1													
Field 2													
Field 3													
Field 4													
Field 5													
Field 6													
Field 7													
Field 8													
Field 9													
Field 10													
Field 11													
Field 12													
Field 13													
Field 14													
Field 15													

FIELD MANAGEMENT GUIDANCE

other (O) - if selecting other, please describe in Notes column across the field, with at least a few different grasses and perhaps other (flowering) plants present (U). grass and perhaps clover, very few other plants present (I), varying vegetation height and colour meadow (H), silage meadow (S), uniform, lush green sward, dominated by one or two species of Field type: select category which most closely reflects the field's type April-July: arable (A), hay Field No: same as the field numbers you used to count your waders in the weekly tables

<u>Livestock</u>

in Notes column), ideally including breed(s) Species: select from sheep, beef cattle, dairy cattle, pigs, or other (if selecting other, please describe

Stock in 1: enter the date you first had stock in the field (choose 1 st Jan if you had them in from the start of the year) and number of stock (pure numbers of Livestock Units (LU))

Livestock Units (LU)) Stock out 1: enter the date you first took stock out of the field and number of stock (pure numbers of

and number of stock (pure numbers of Livestock Units (LU)) Stock in 2: enter the date you re-stocked the field (leave blank or enter "N/A" if only stocked once)

"N/A" if only stocked once) and number of stock (pure numbers of Livestock Units (LU)) Stock out 2: enter the date you took stock out of the field for a second time (leave blank or enter between 1 April and 31 July. NB – if you stocked and re-stocked fields more than twice, please just enter the relevant dates

Grass cuts

"N/A" if permanent pasture, arable, or other) Date 1st cut: the date at which you took your first hay or silage cut in that field (leave blank or enter

enter "N/A" if only one cut made) Date 2nd cut: the date at which you took your second cut in that field (usually silage, leave blank or

enter "N/A" if only one or two cuts made) Date 3rd cut: the date at which you took your third cut in that field (usually silage, leave blank or

details of this in the Notes column. "deferred grazing" – the livestock and meadow cuts should make this clear, but please include NB – rarely, fields can be shut-up and left to grow, but not cut, effectively as standing hay, known as

Arable

Crop type: e.g., wheat, barley, potato, brassicas, etc., or "fallow"

fallow) Seeded date: enter the approximate date you seeded the crop (leave blank or enter "N/A" if left

Harvest date: enter the approximate date you harvested your crop (leave blank or enter "N/A" if left fallow)