

Grazed grassland management; **Grazing animals**

Grasslands;

Easterbush SW

Easterbush NE

Bugac

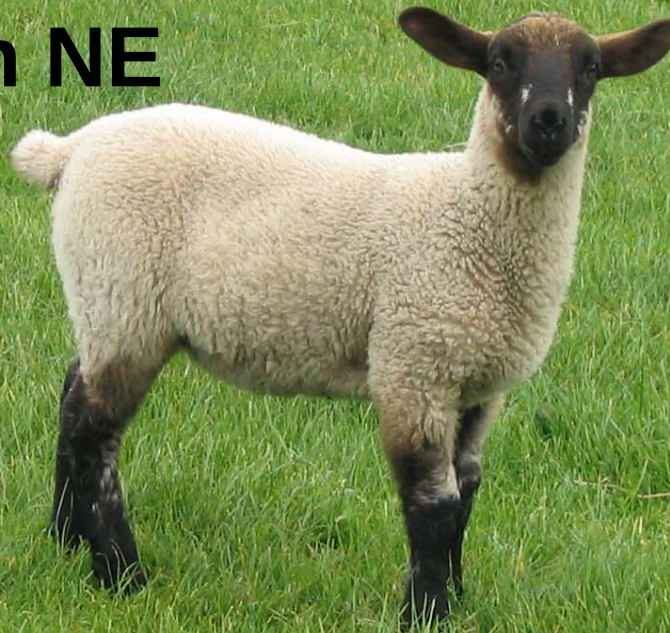
not submitted

Shrub/wetlands:

Auchencorth

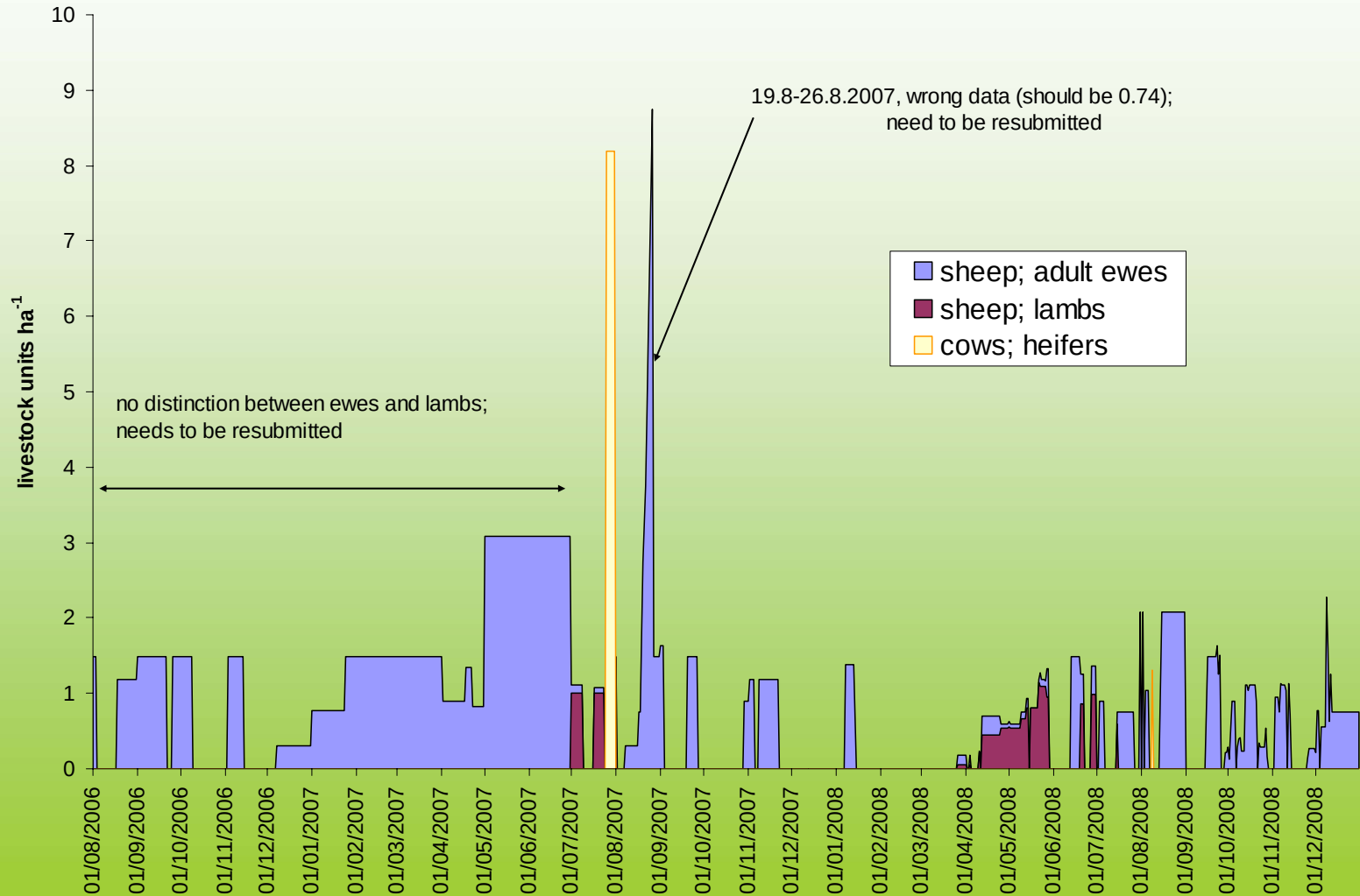
July-Dec 2008

not submitted



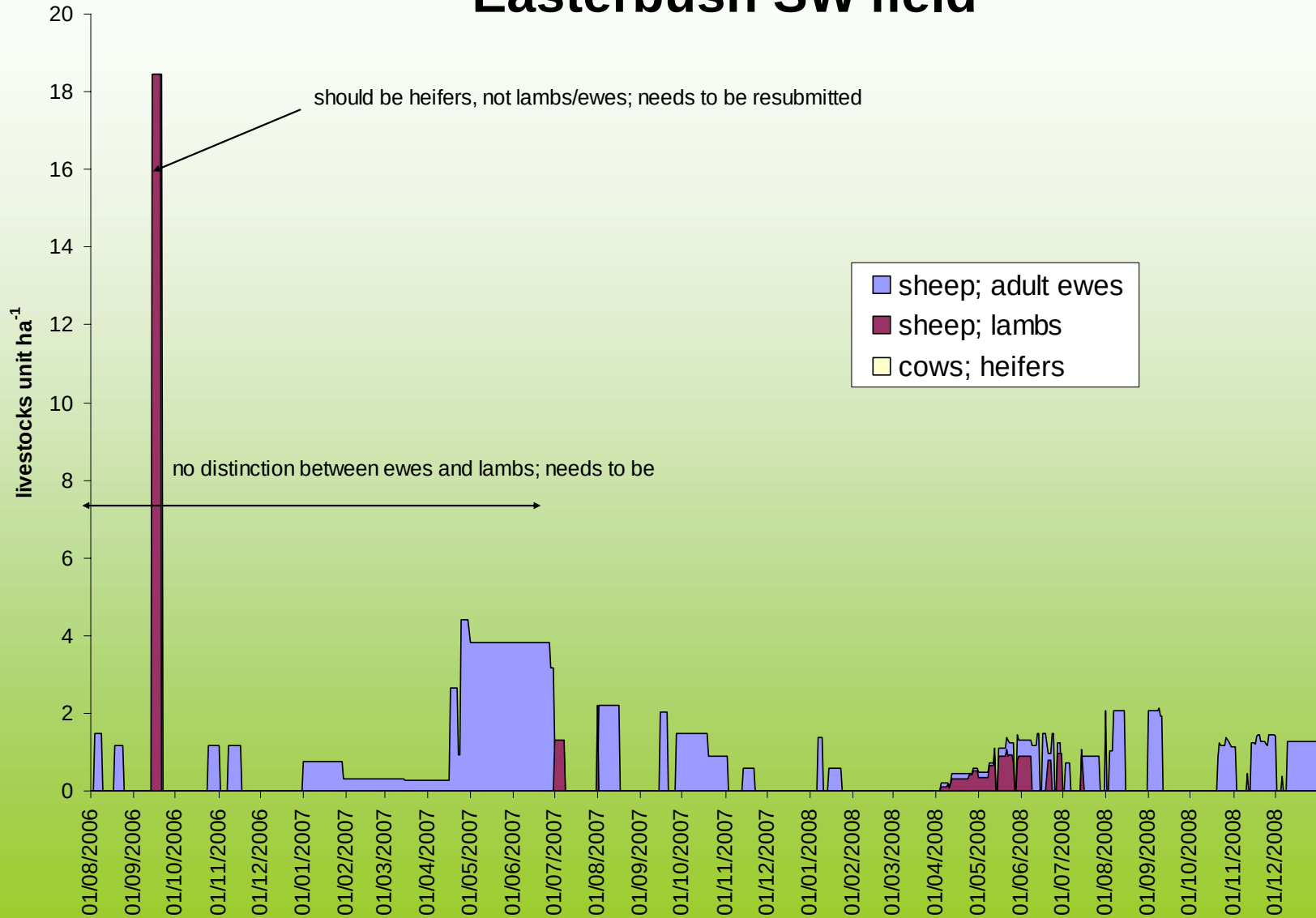
grazing animals

Easterbush NE field

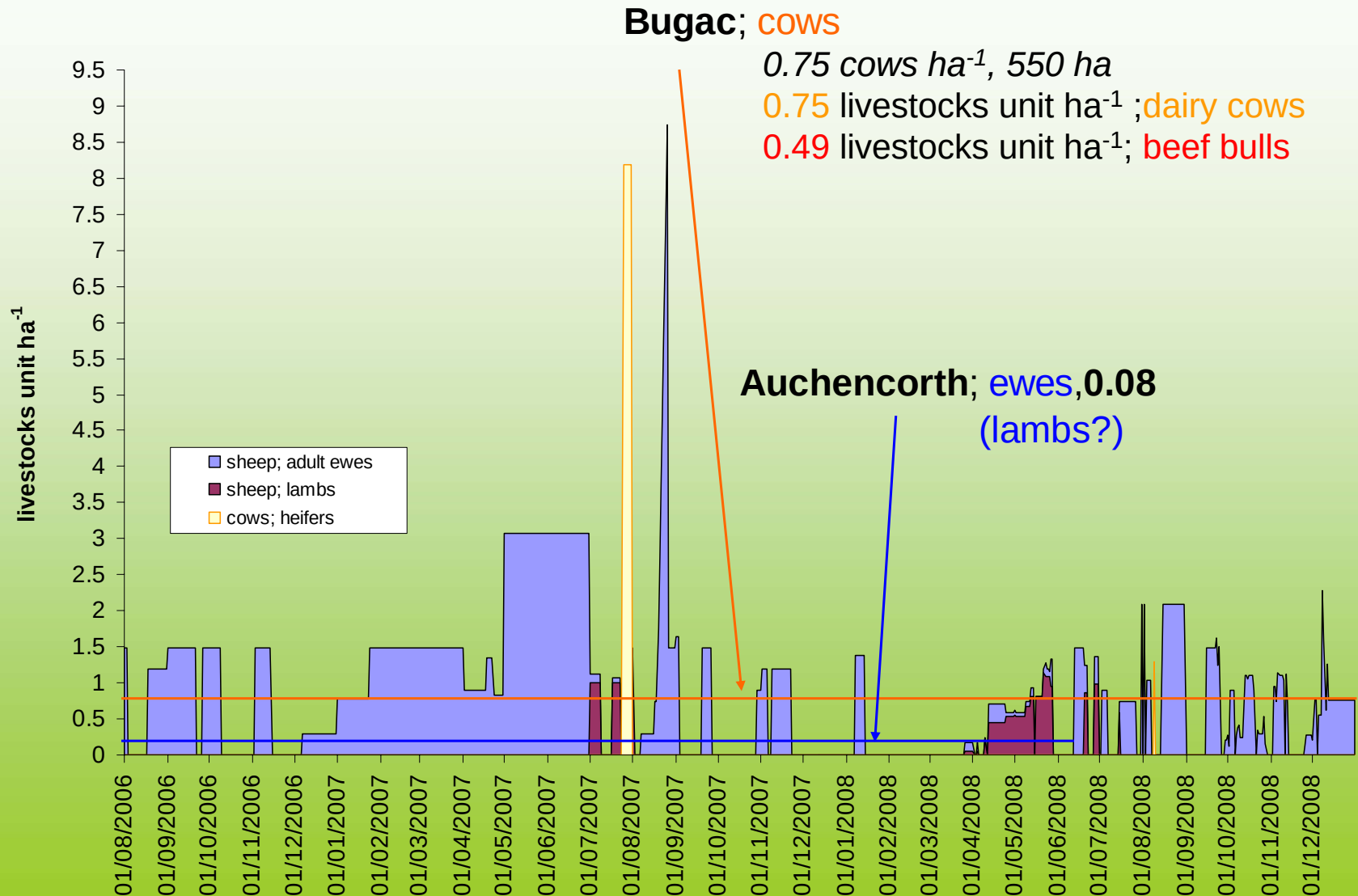


grazing animals

Easterbush SW field



Grazing animals; Bugac and Auchencorth



Plant potential productivity

Easterbush NE, SW

Bugac? (Auchcorth?)



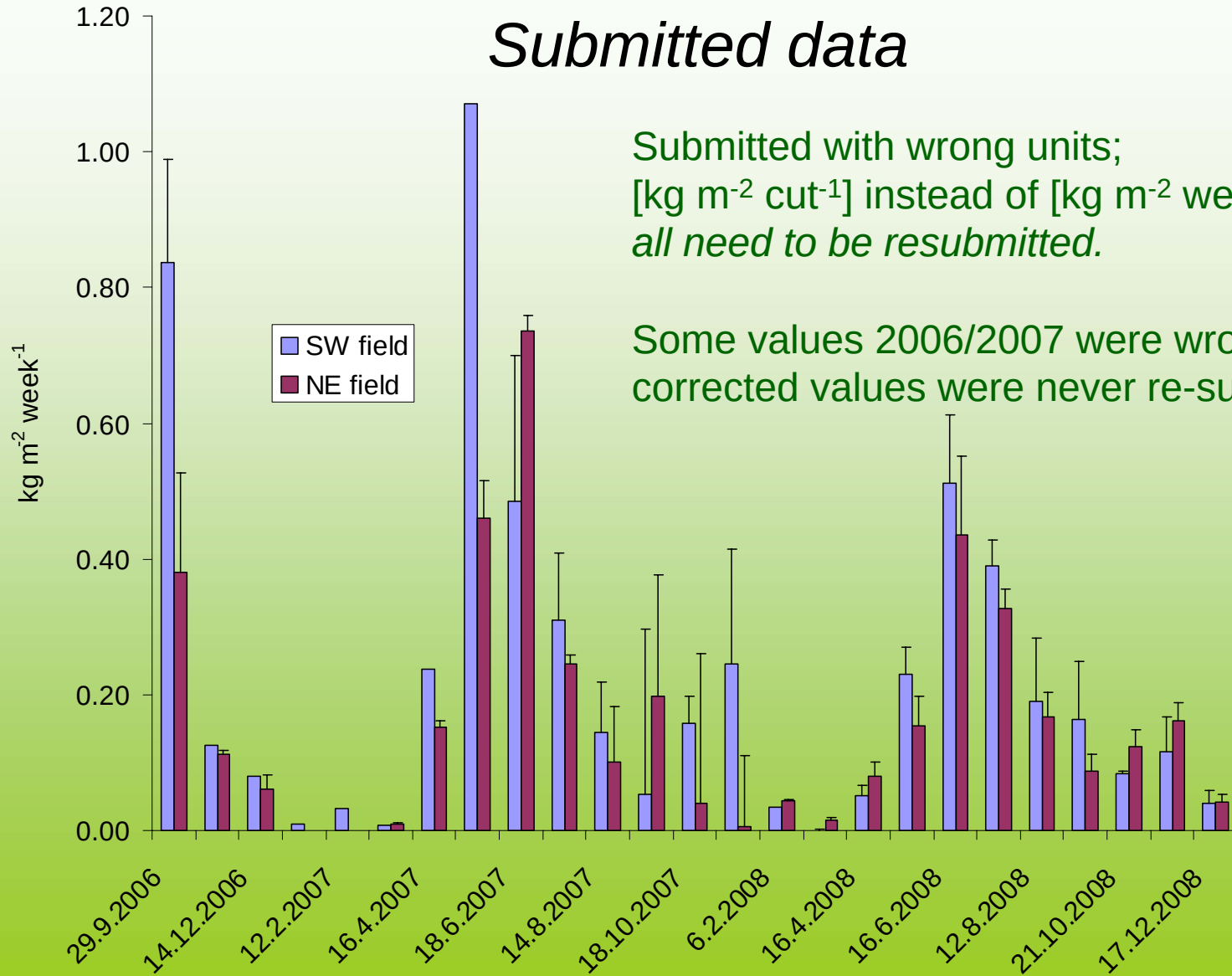
Plant potential productivity

Easterbush NE, SW

Submitted data

Submitted with wrong units;
[kg m⁻² cut⁻¹] instead of [kg m⁻² week⁻¹].
all need to be resubmitted.

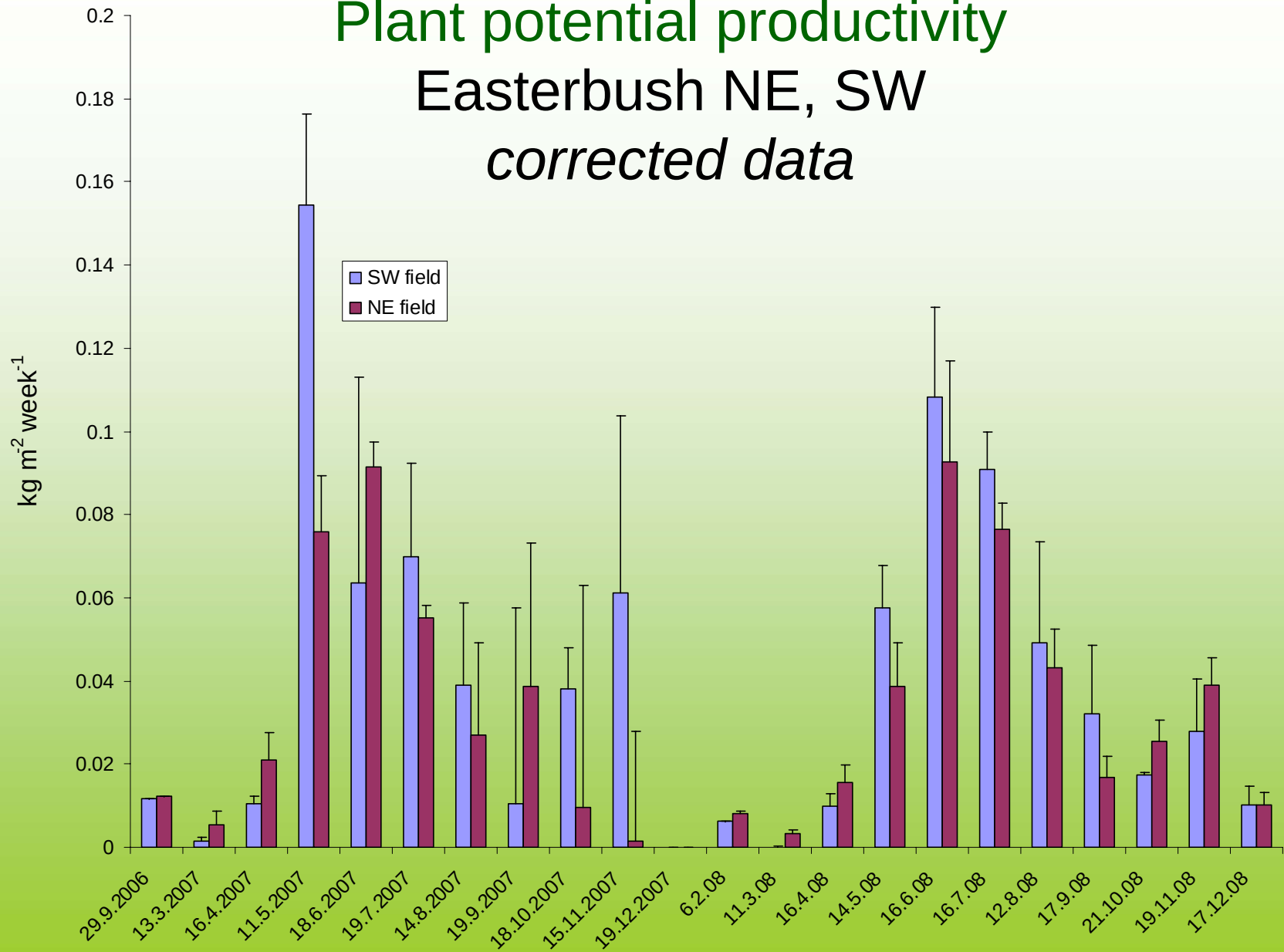
Some values 2006/2007 were wrong;
corrected values were never re-submitted



Plant potential productivity

Easterbush NE, SW

corrected data



Comparison of **harvest / potential productivity** Oensingen – Easterbush 2007, literature data

	Harvest / potential productivity [t ha ⁻¹ y ⁻¹]	N off-take [kg N ha ⁻¹ y ⁻¹]	C off-take [t C ha ⁻¹ y ⁻¹]
Oensingen int. cut / fertilised	10.4	~200	4.5
Easterbush SW grazed / fertilised	22.4	770	9.59
Easterbush NE grazed / fertilised	15.2	550	6.9
Cowpark 2002-2004 cut / fertilised	4.2 - 10.1		1.4 - 3.7
Picon-Cochard et al. 2004 cut / fertilised monoliths	9.3-15.8	217 - 355	

Vegetation C & N

Grasslands;

(mix grass, herbs, legumes)

Bugac

Easterbush NE, SW

Oensingen

Shrubs/wetland:

Lompolojänkä;

*segdes, herbs, shrubs,
mosses*

Auchencorth

*grasses, sedges & rushes,
Mixed Bryophytes, Shrubs*
no samples analysed yet

Arable:

Gebesee; *winter wheat*

Grignon; *barley*

no data submitted for 2006

Castellaro; awaiting info
maize 2006, rice 2007/2008

Borgo Cioffi;

no samples analysed yet

Forests:

Plant C/N not required

Plant tissue C and N depends on

- species
- age of plant
- C and N conditions; soil and air

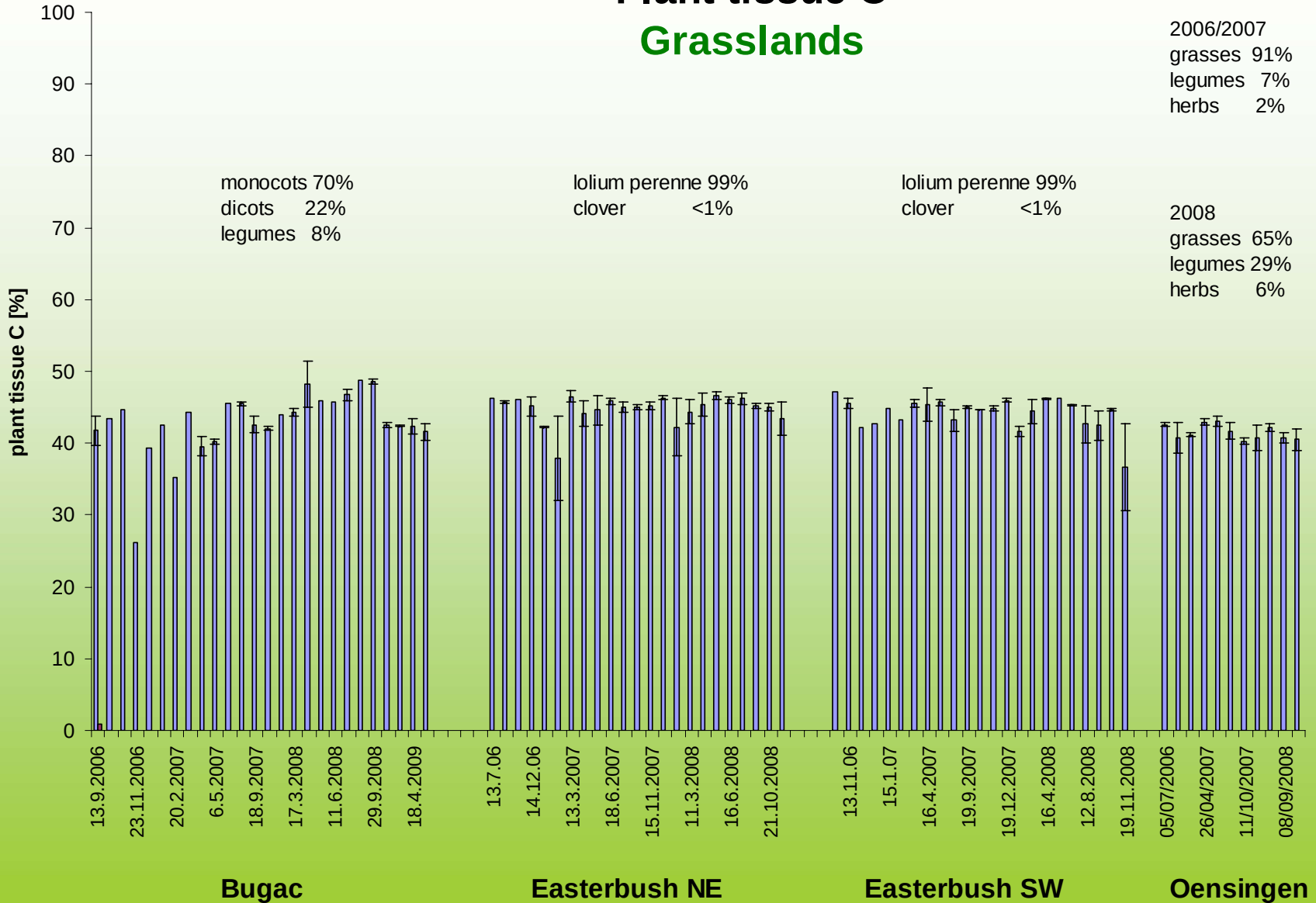
Range in NEU
submission sheet;
C; 0-75
N; 0-50

	C[%]	N [%]	C/N
Bluegrass,* fertilised lawn	37	1.2	31
Rye, anthesis*	40	1.1	37
Rye, vegetative state*	40	1.5	26
Alfa alfa *	40	3	13
clover	33-48	2.2	15-22
grasses	36-45	1.8	20-25

*Brady and Weil 2002

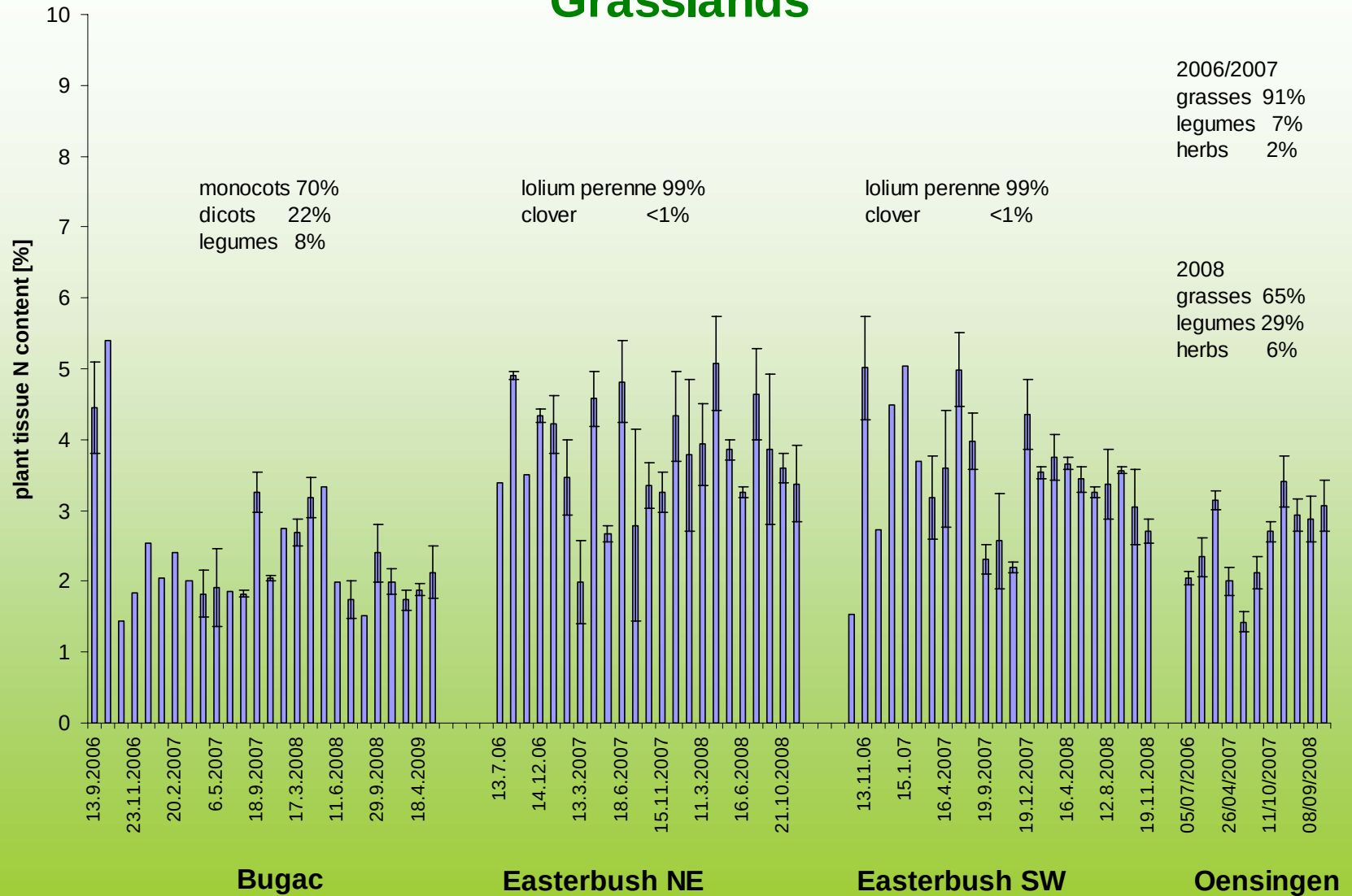
Plant tissue C

Grasslands



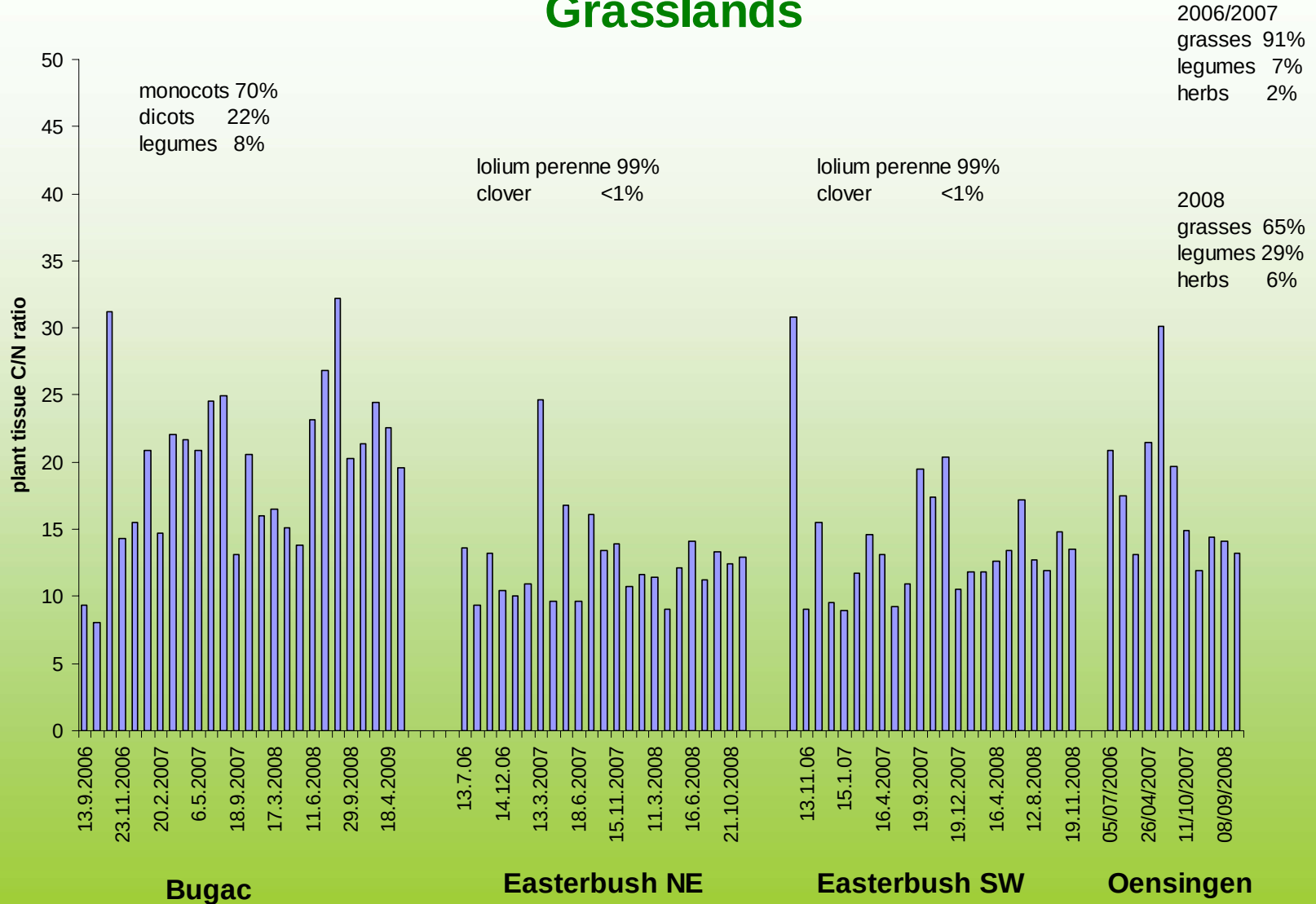
Plant tissue N

Grasslands



Plant tissue C:N ratio

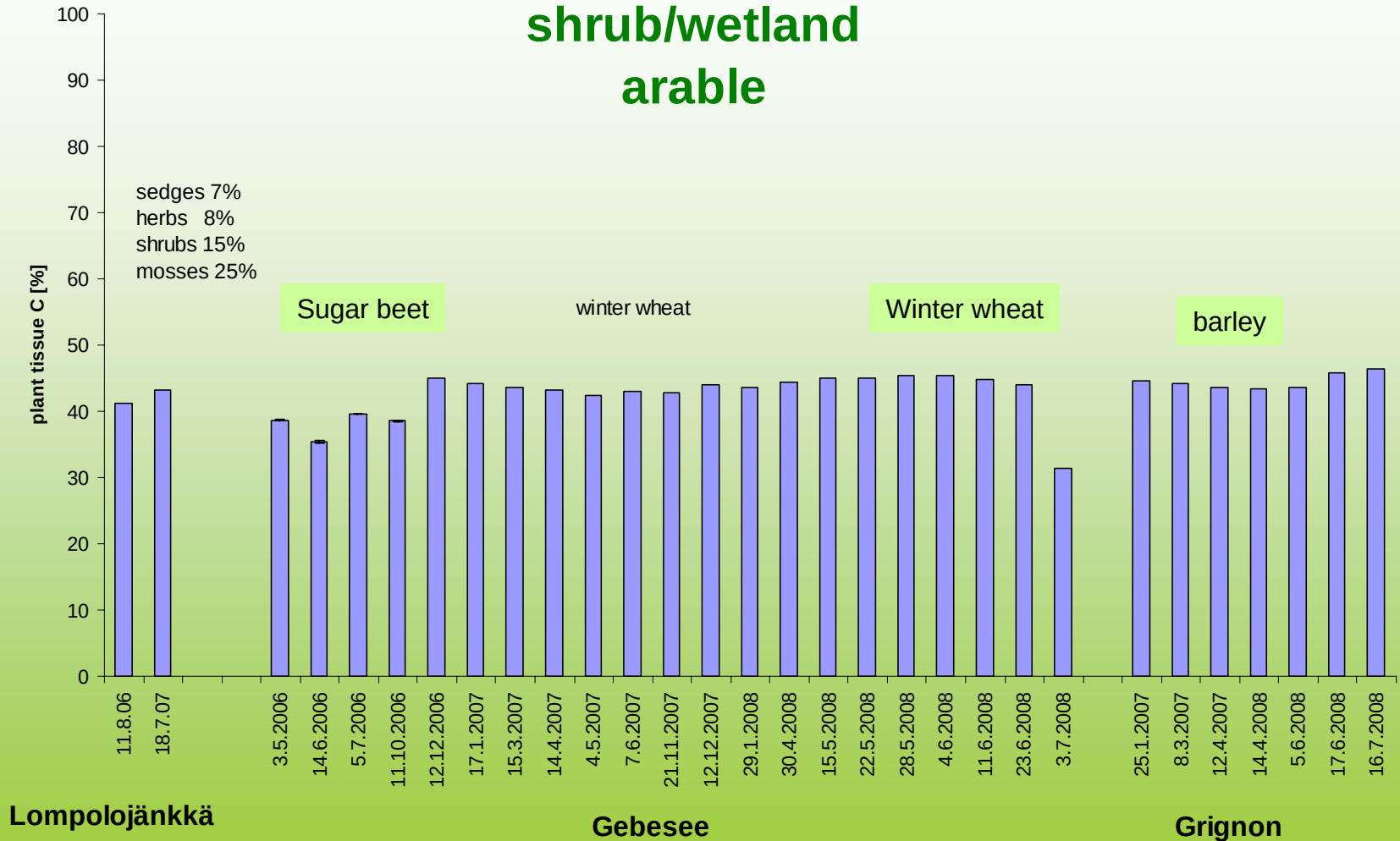
Grasslands



Plant tissue C

shrub/wetland

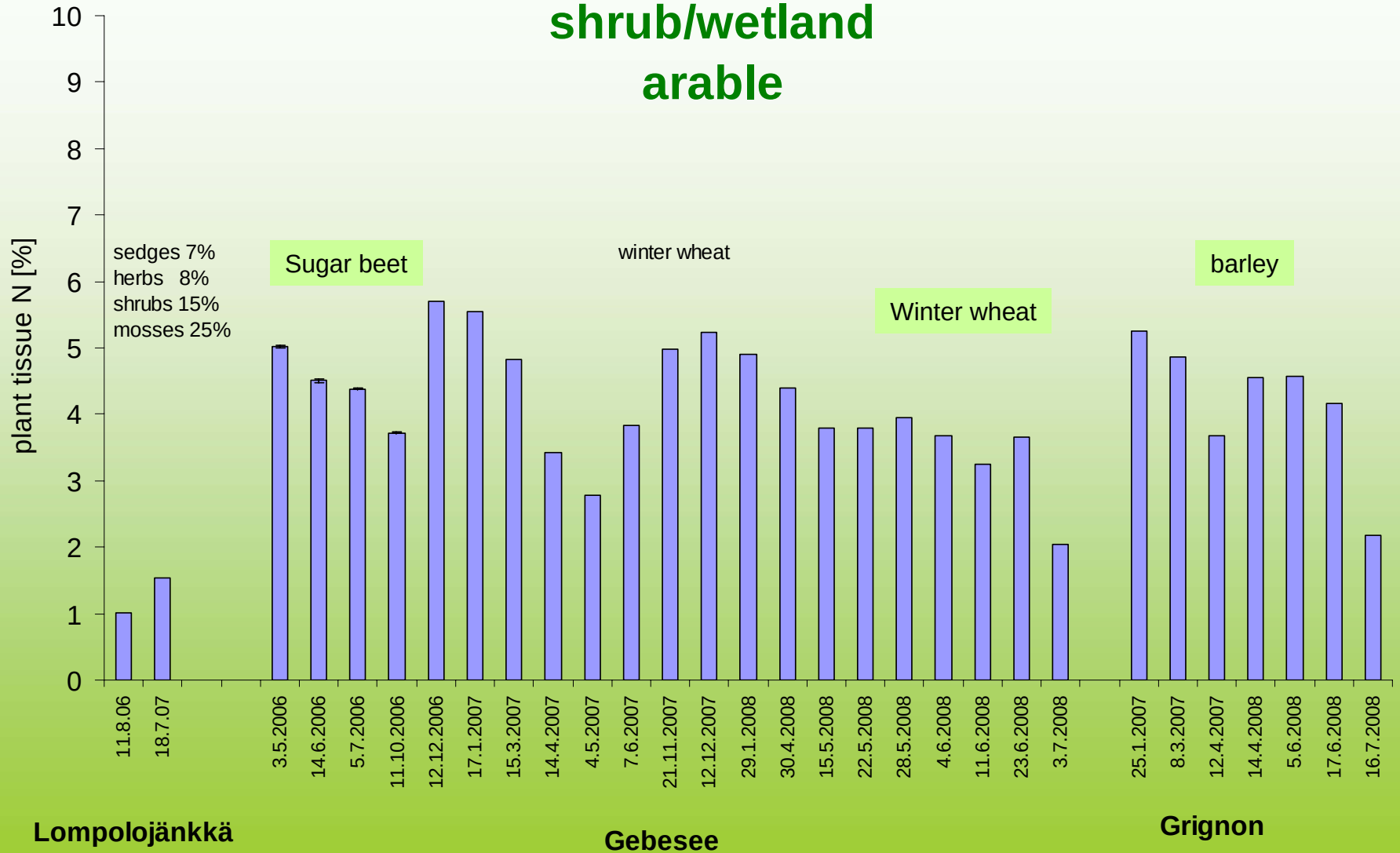
arable



plant tissue N

shrub/wetland

arable



plant tissue C/N ratio

shrub/wetland

arable

