



Lead and support the transition of Irish farming
towards more sustainable farming systems



Signpost Partners

62
partners



Partners



Government, State Agencies and Sponsors



Supporters



+ Drinks Ireland, Diageo, Heineken, Irish Distillers and William Grant & Sons

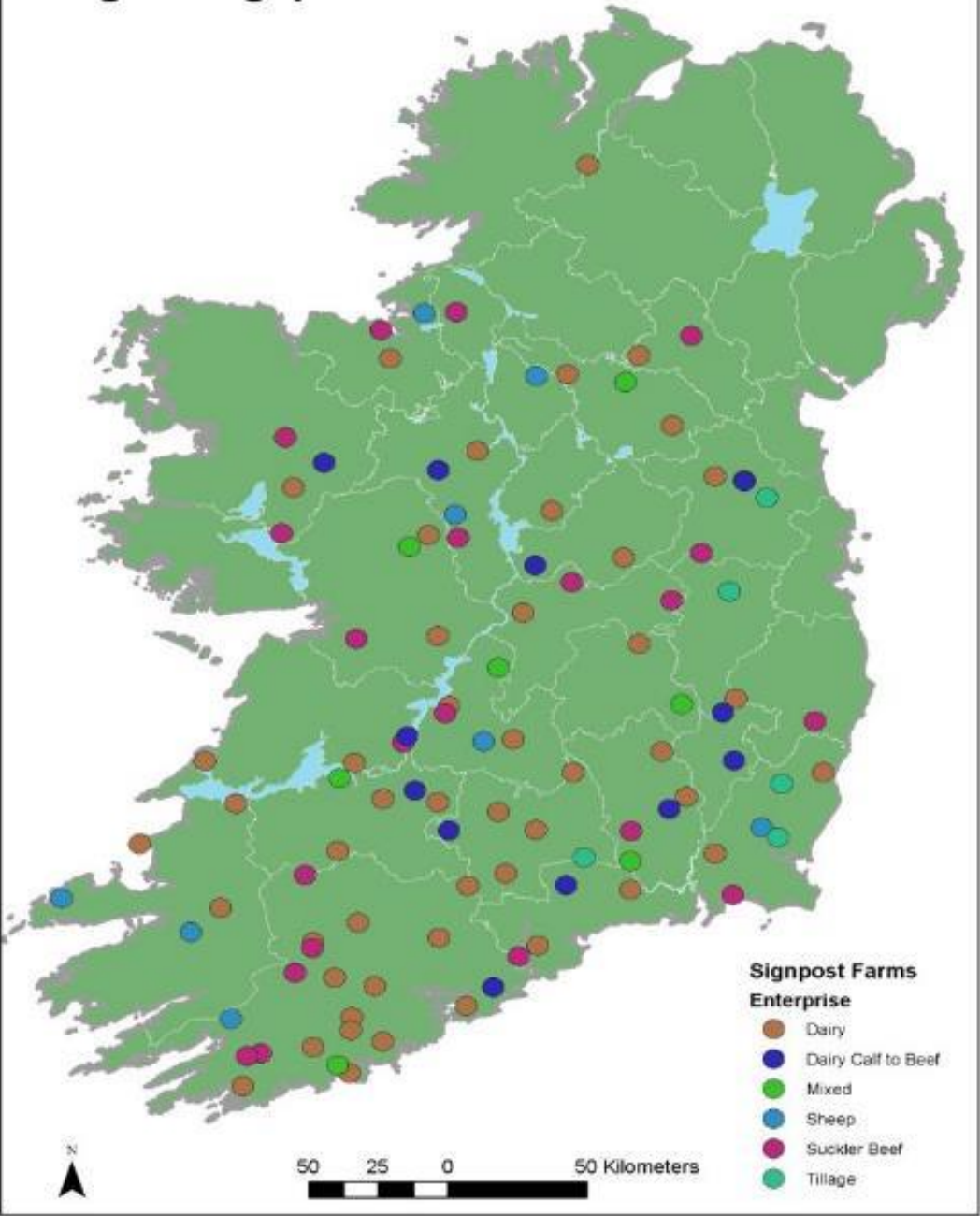


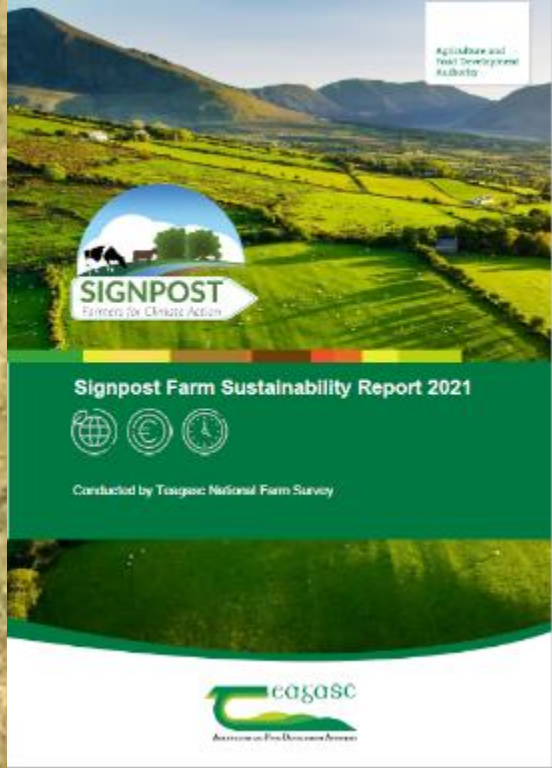


Signpost Programme



Teagasc Signpost Farms





Signpost Dairy Farms

Sustainability Performance 2021

45 dairy farmers – source: Teagasc National Farm Survey



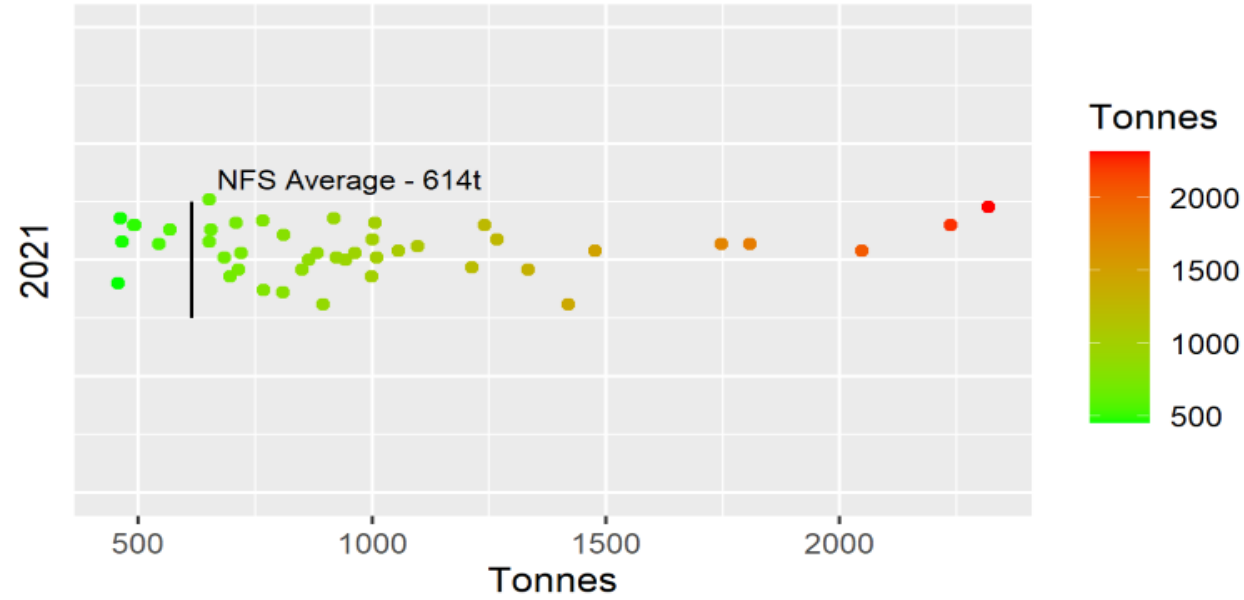
988 tonnes CO₂-eq* per farm
0.93kg CO₂-eq per kg FPCM (LCA)+

							
Family farm income (€/ha)	Milk solids (kg/cow)	Herd EBI (€)	Chemical nitrogen (N) use (kg/ha)	N use efficiency (%)	N spread as protected urea (%)	Slurry applied by LESS (%)	Slurry applied January to April (%)
2,055	490	162	197	28	40	92	80

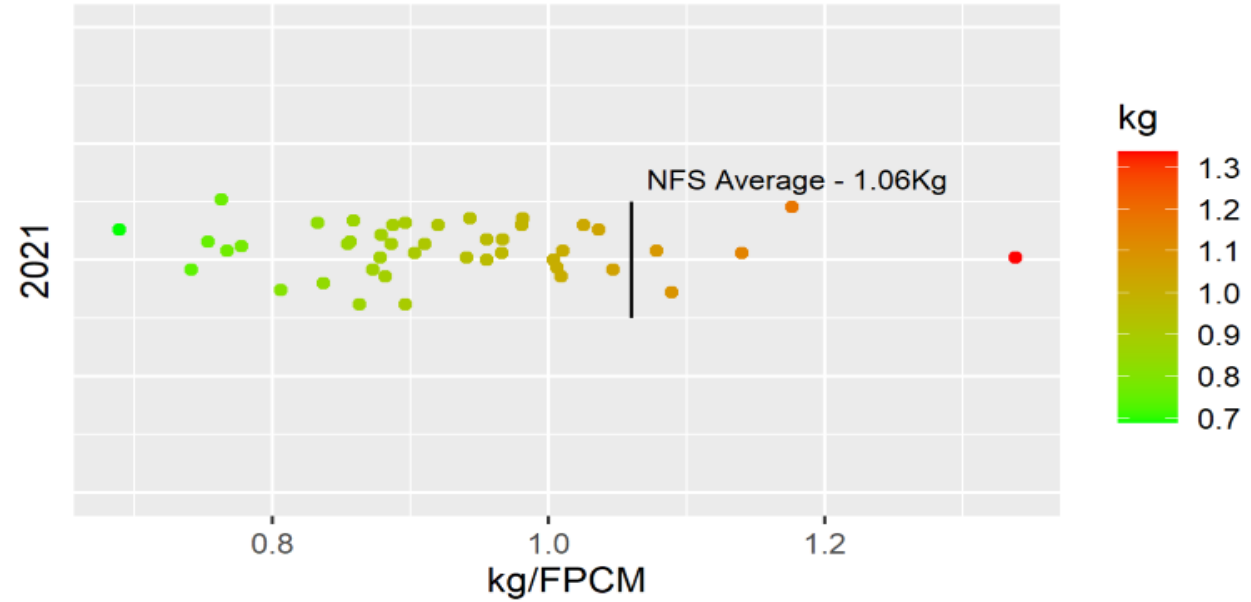
*Carbon dioxide equivalent. + Fat- and protein-corrected milk life cycle assessment.

Signpost Environmental Sustainability KPIs - Dairy

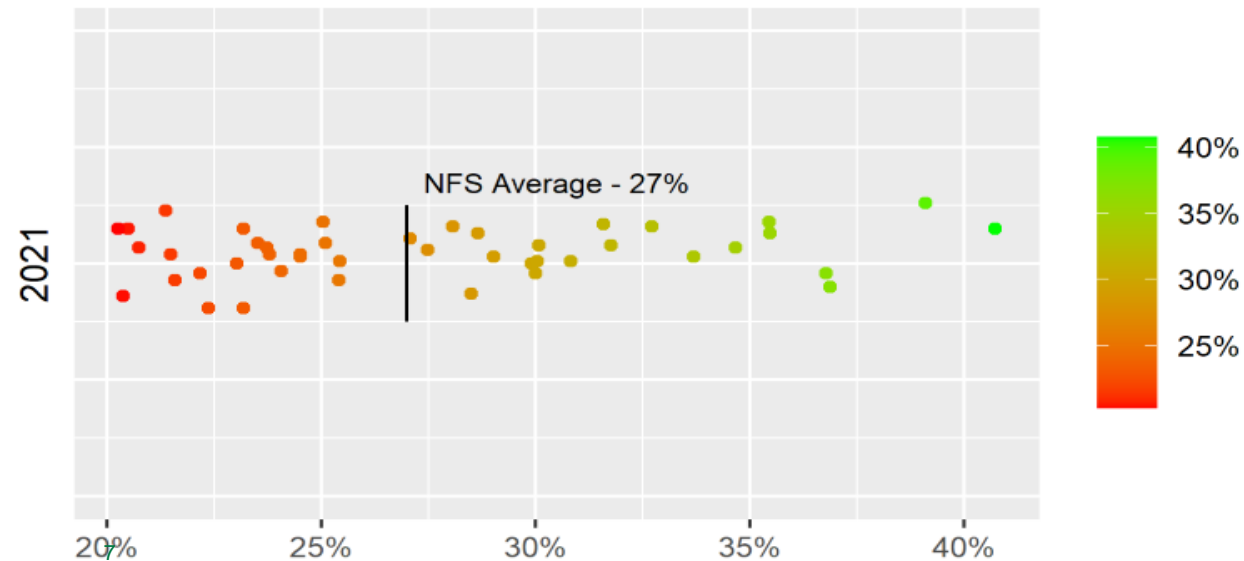
Total On-Farm GHG emissions



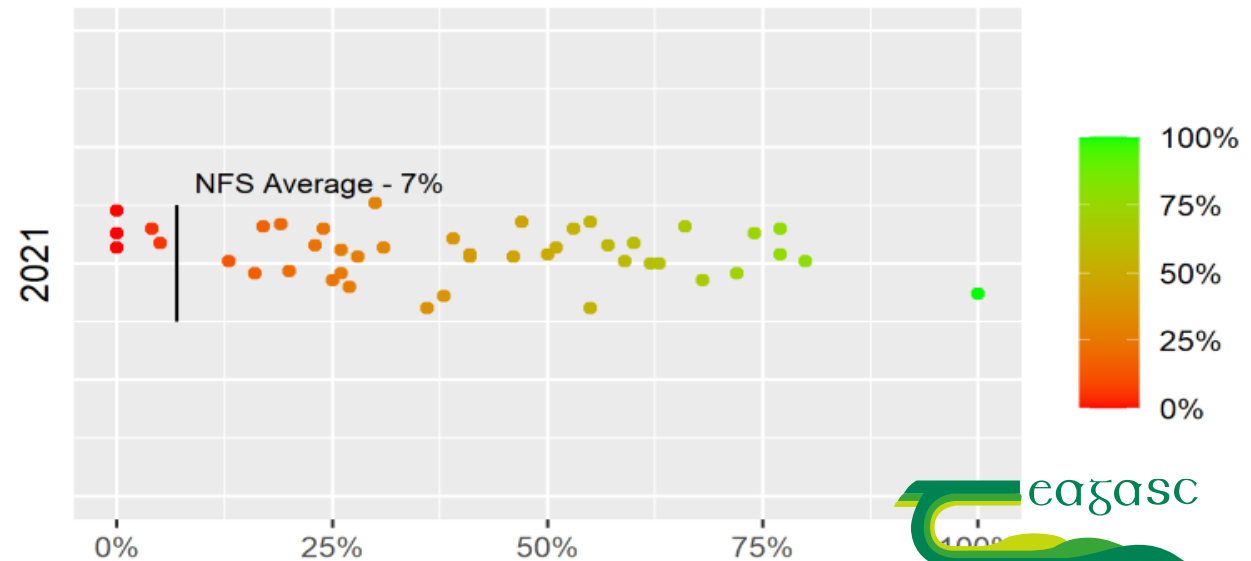
GHG emissions per kg FPCM (LCA)



Nitrogen Use Efficiency %



% of Chemical N as Protected Urea










Signpost Beef Farm Sustainability Performance 2021

35 beef farmers – source: Teagasc National Farm Survey



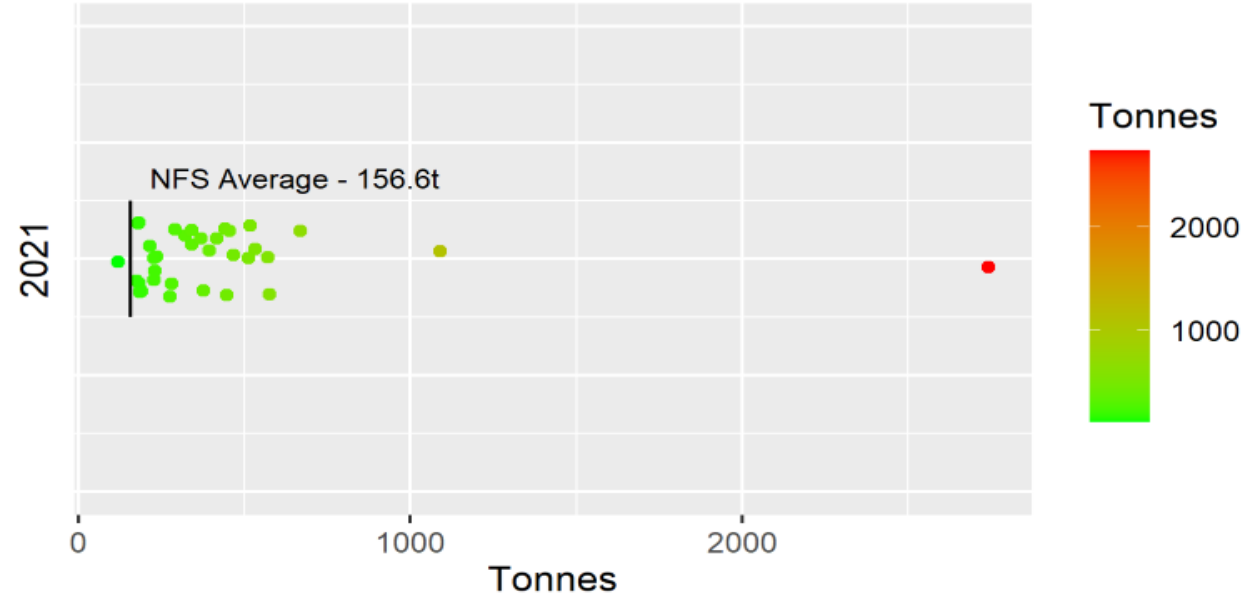
429 tonnes CO₂-eq* per farm
9.2kg CO₂-eq per kg liveweight (IPCC)+

						
Family farm income (€/ha)	Concentrate per livestock unit (kg)	Chemical nitrogen (N) use (kg/ha)	N use efficiency (%)	N spread as protected urea (%)	Slurry applied by LESS (%)	Slurry applied January to April (%)
597	648	116	16	18	42	71

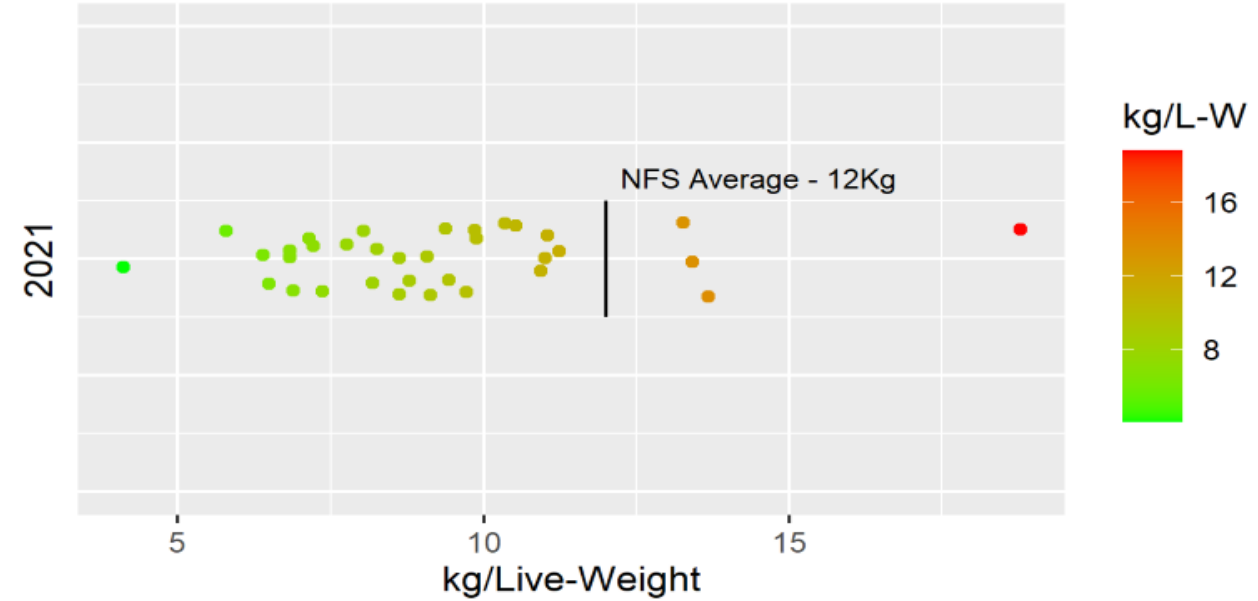
*Carbon dioxide equivalent. +Intergovernmental Panel on Climate Change.

Signpost Environmental Sustainability KPIs - Beef

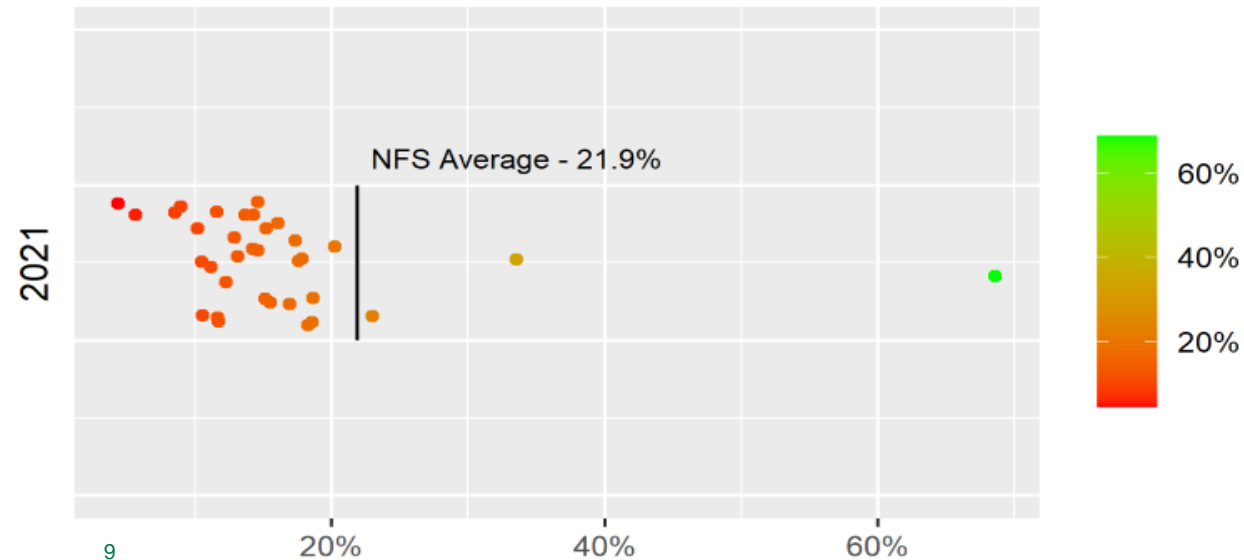
Total On-Farm GHG emissions



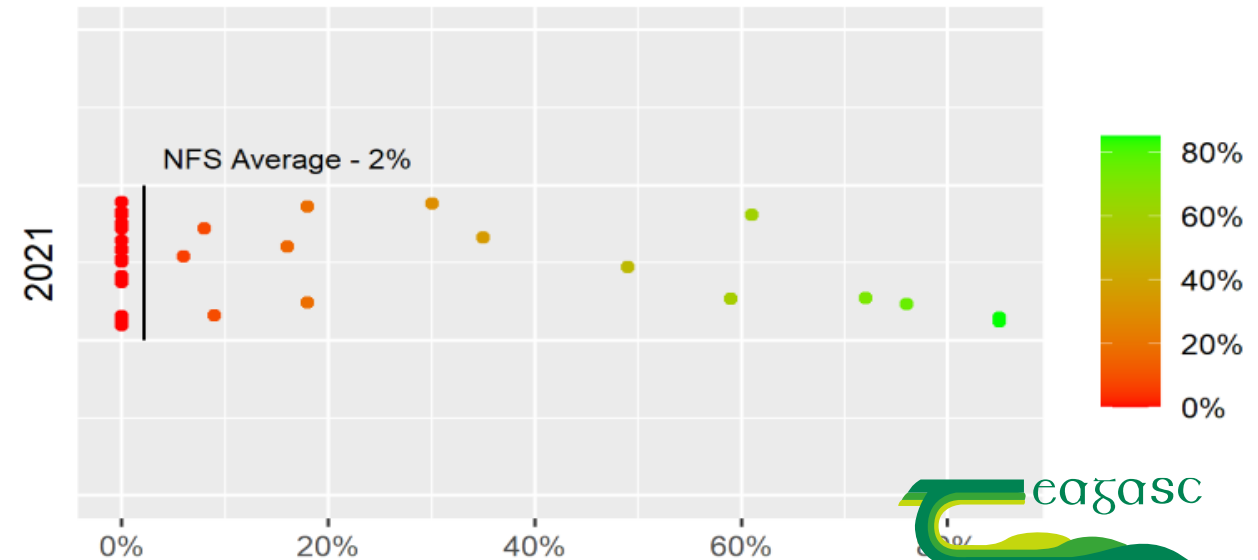
GHG emissions per kg Live-weight (IPCC)



Nitrogen Use Efficiency %



% of Chemical N as Protected Urea



Signpost Sheep Farm Sustainability Performance 2021

Eight sheep farmers – source: Teagasc National Farm Survey



245 tonnes CO₂-eq* per farm
11kg CO₂-eq per kg liveweight (IPCC)+

€
Family farm
income (€/ha)

613



Weaning rate
(lambs per ewe)

1.29



Chemical
nitrogen (N)
use (kg/ha)

78



N use
efficiency
(%)

19



N spread as
protected urea (%)

18



Slurry applied
by LESS (%)

50



Slurry applied
January to
April (%)

25

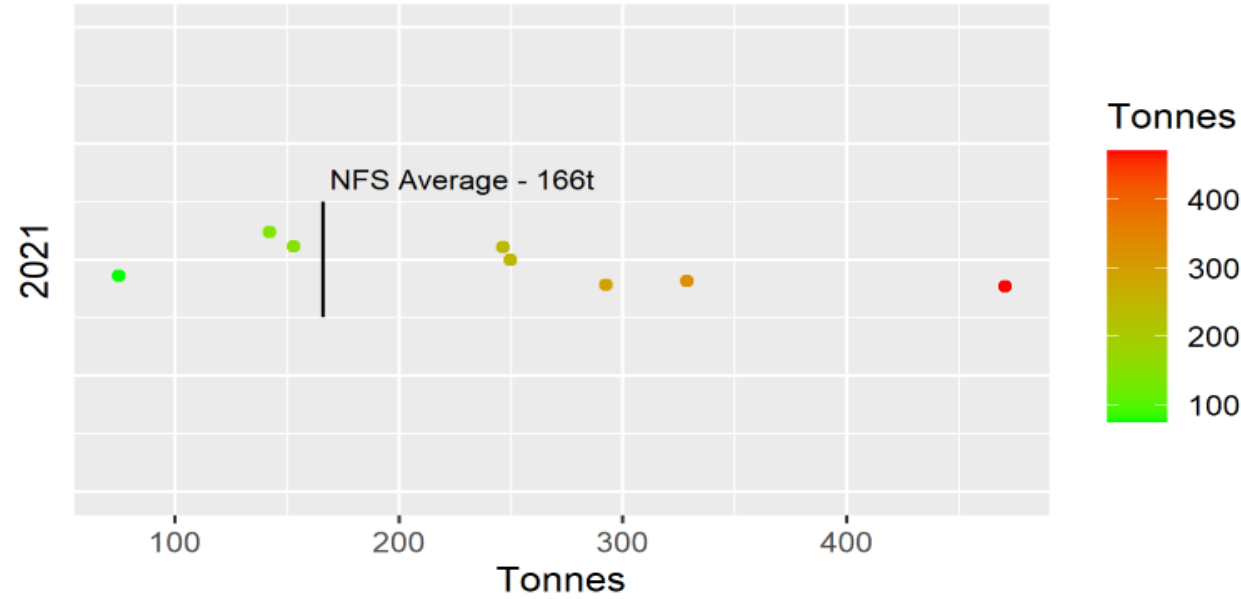
* Included in the eight Signpost sheep farmers are two hill sheep farmers.

*Carbon dioxide equivalent. +Intergovernmental Panel on Climate Change.

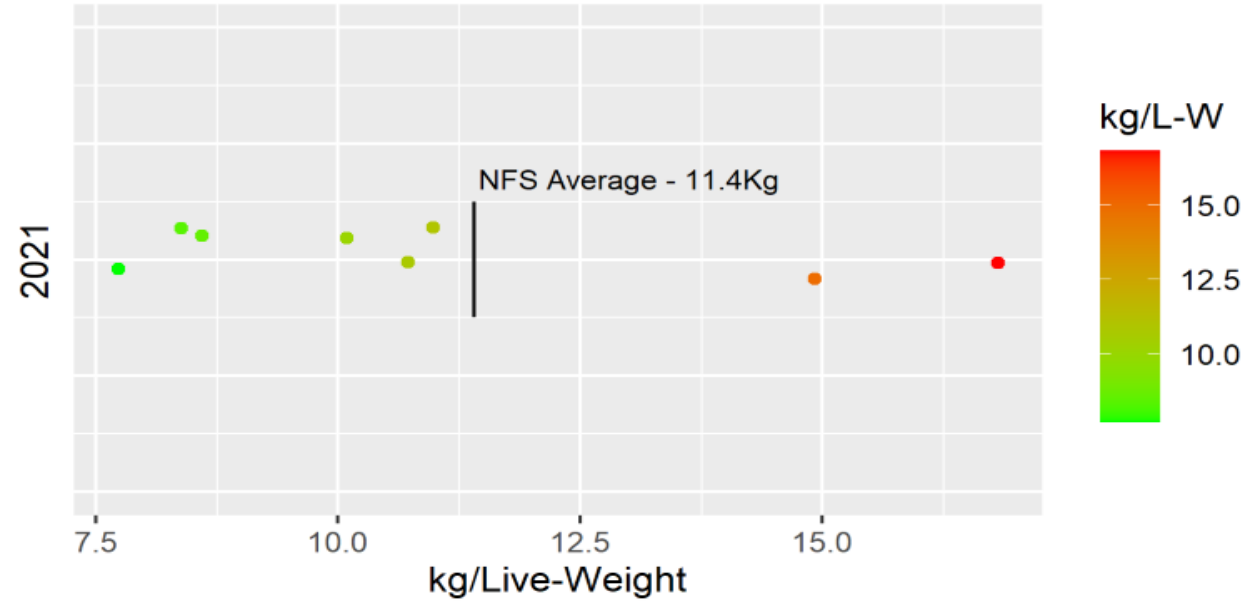


Signpost Environmental Sustainability KPIs - Sheep

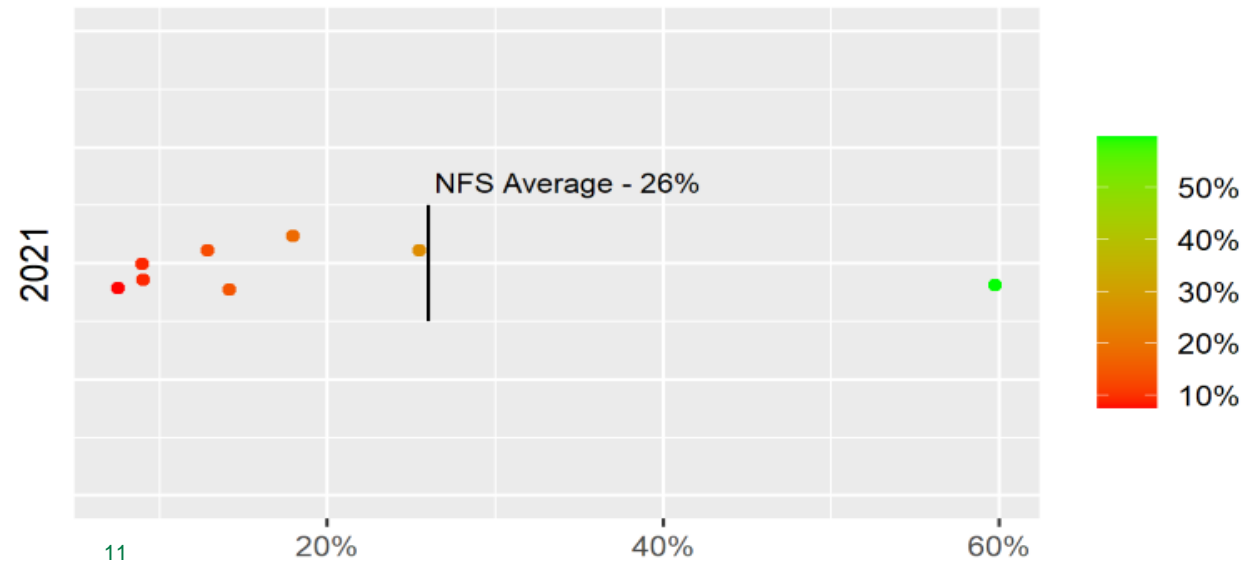
Total On-Farm GHG emissions



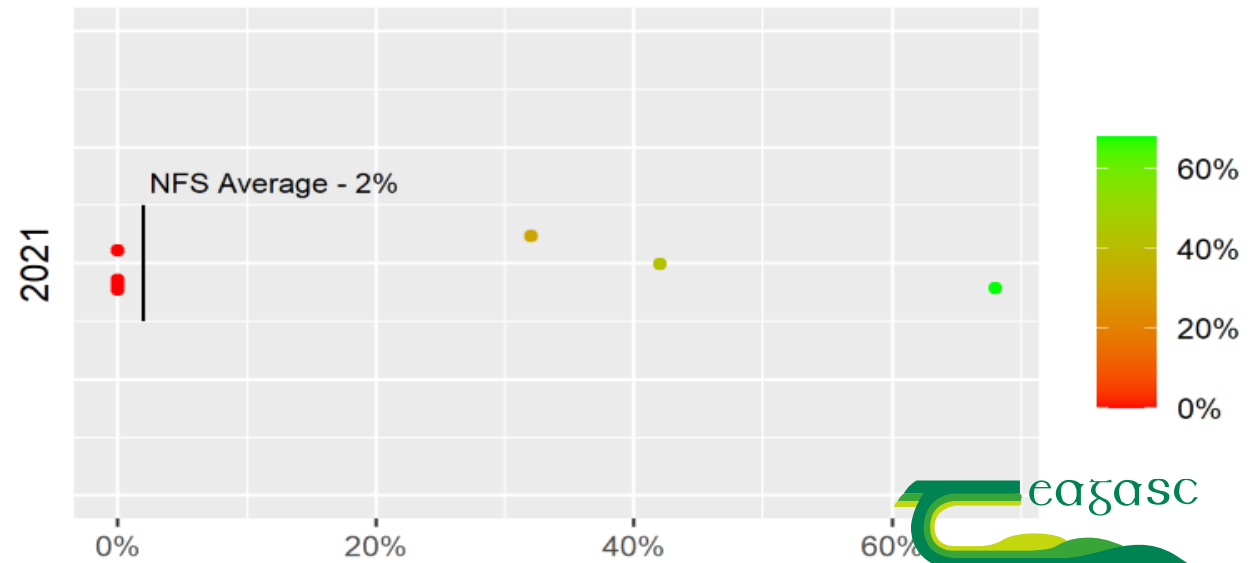
GHG emissions per kg Live-weight (IPCC)



Nitrogen Use Efficiency %



% of Chemical N as Protected Urea



Signpost Tillage Farms Sustainability Performance 2021

Six tillage farmers – source: Teagasc National Farm Survey



188 tonnes CO₂-eq* per farm



Family farm
income (€/ha)

1,174



Spring barley
yield (t/ha)

8.2



Winter barley
yield (t/ha)

9.7



Winter wheat
yield (t/ha)

11.1



Chemical
nitrogen (N) use
(kg/ha)

138



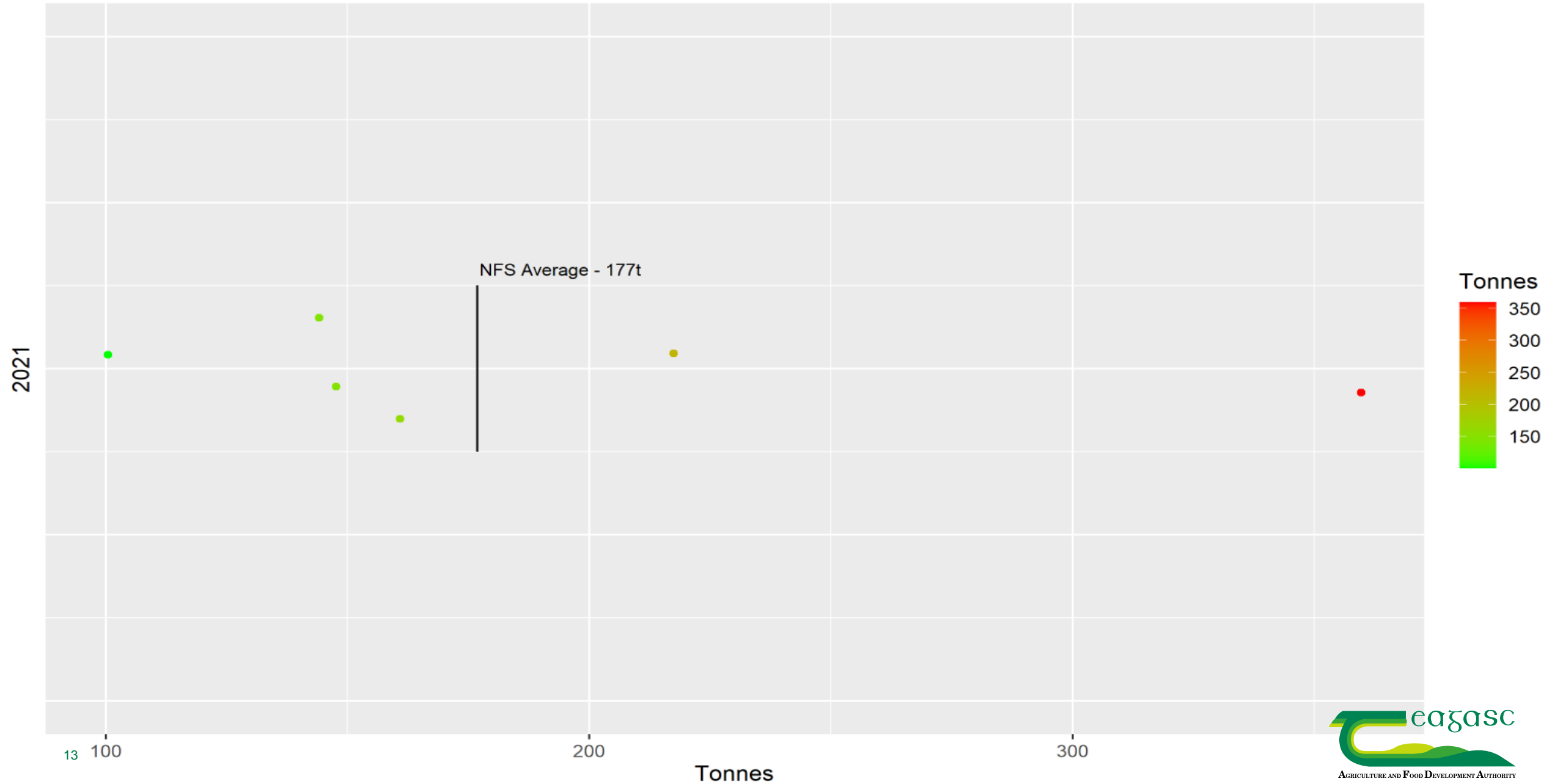
Spring ground
with catch crops (%)

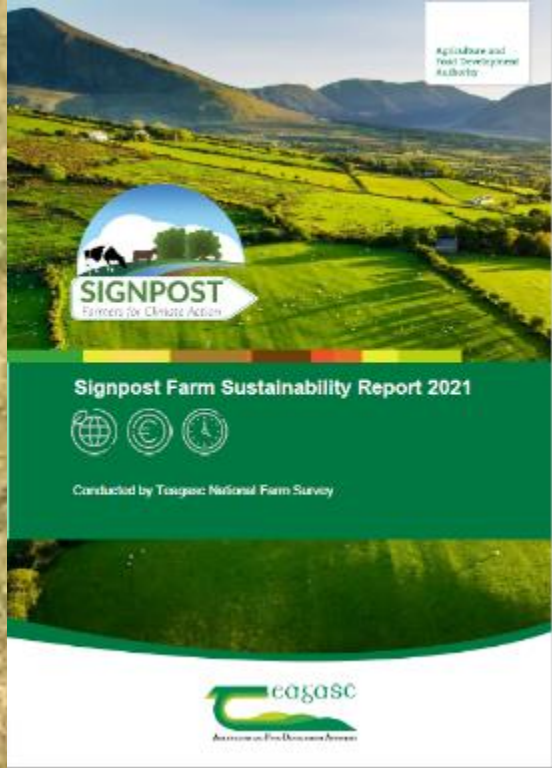
35

*Carbon dioxide equivalent

Signpost Environmental Sustainability KPI - Tillage

Total On-Farm GHG emissions

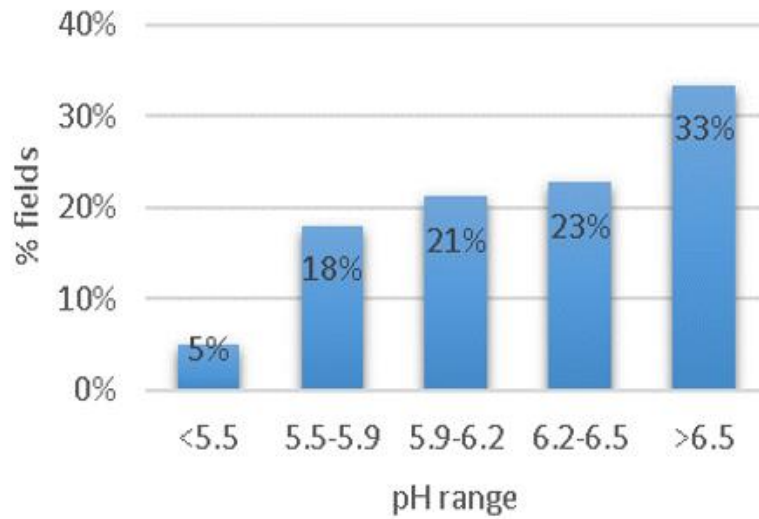




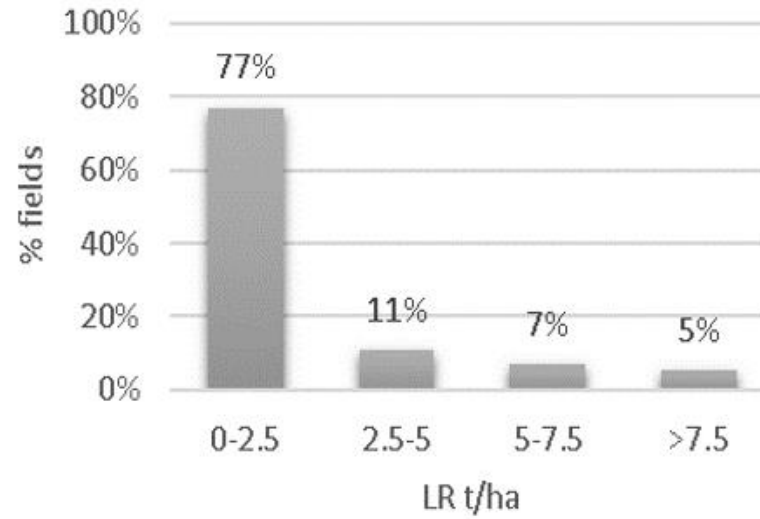
National Agricultural Soil Carbon Observatory (NASCO)



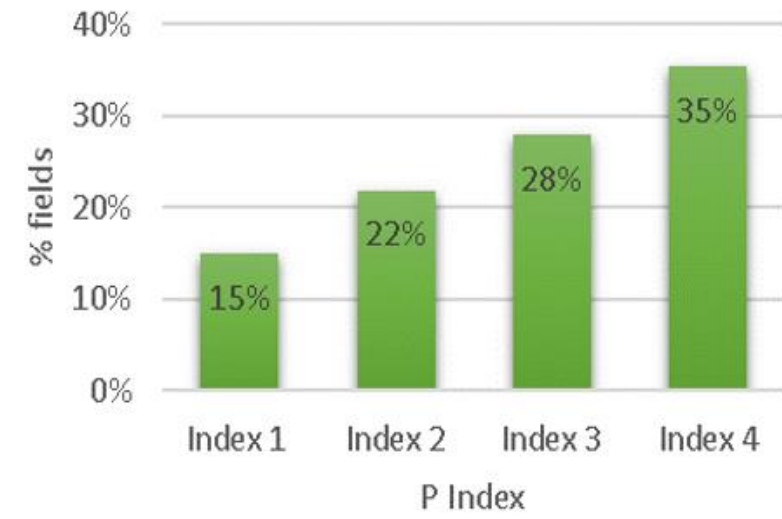
pH



Lime Requirement



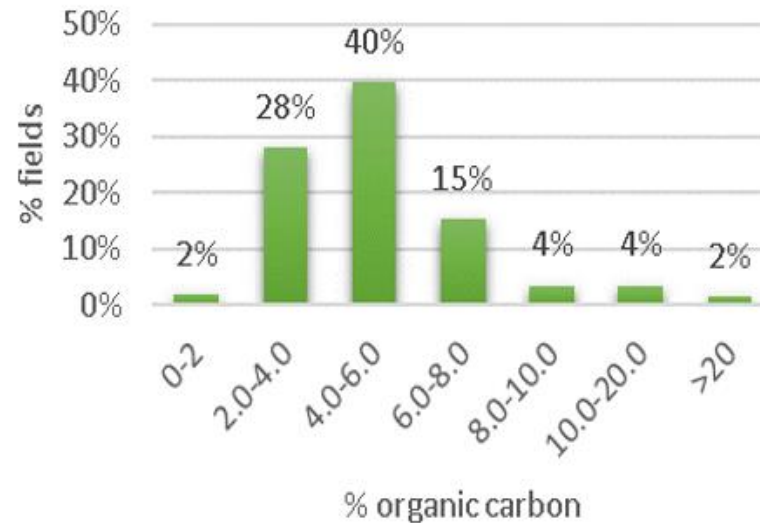
P Index



K Index



Soil Organic Carbon



Production optimised Fertility Soil pH >6.3, P & K Index 3 & 4

