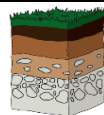


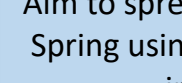
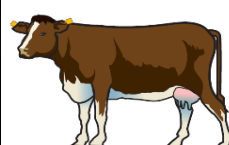





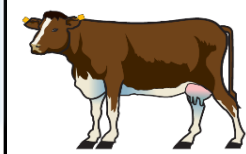












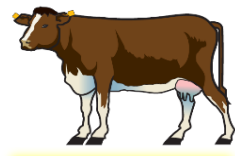







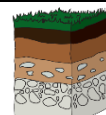



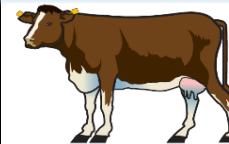





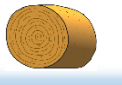













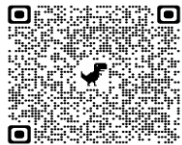


Steps to Reduce Greenhouse Gas Emissions on Beef Farms

The actions in yellow reduce methane

The actions in blue
reduce nitrous oxide

January	February	March	April	May	June	July	August	September	October	November	December	
 Create a Nutrient Management Plan with your advisor  Test your slurry for nutrient content	 Use sire advice on ICBF for bull selection this Spring  Aim to spread at least 75% of your slurry in the Spring using Low Emission Slurry Spreading to increase nitrogen recovery  Aim to calf heifers aged 22-26 months with a 20% replacement rate	  Aim to have 60% grazed by 17th March  Vaccinate cows and breeding heifers for BVD, IBR and Lepto 	  Monitor breeding performance to ensure fertility targets are met  Time to spread lime on silage fields after 1st cut silage 	  Time to spread lime on silage fields after 1st cut silage 	  Time to spread lime on silage fields after 1st cut silage 	  Vaccinate cows and breeding heifers for Salmonella 	  Scan all cows and bulling heifers - cull empty cows 	 Allow topped hedges to grow at least 1.5 meters tall and allow a thorn sapling to grow into a tree  Spread soiled water after grazings and on paddocks surplus bales were taken off during the year  Test silage and match concentrate feeding rate 	 Spread soiled water after grazings and on paddocks surplus bales were taken off during the year  Vaccinate cows and breeding heifers for Salmonella	 Time to soil sample your farm  Vaccinate cows and breeding heifers for Salmonella		
 Spread lime where needed  ① Weigh weanlings and draft out under performing animals for special attention	 Do a grass farm walk and a Spring Rotation plan and aim to have 30% grazed by 1st March 	 Spread Ps & Ks where needed and reduce chemical N by 10% And spread Sulphur -little and often  Consider using sexed semen on your best cows 						 Spread Ps & Ks where needed and reduce chemical N by 10% And spread Sulphur -little and often  Check fodder stocks after 1st cut 	 Spread Ps & Ks where needed and reduce chemical N by 10% And spread Sulphur -little and often  ② Time to weigh calves 	 Spread lime where needed  ③ Time to weigh calves 	 Spread lime where needed Do a closing grass cover & check your annual tonnage report 	 Create a herd health plan for next year  Order Protected Urea for next Spring
Closed Periods* Zone A Zone B Zone C	Slurry 1st Oct-12th Jan 1st Oct-15th Jan 1st Oct-31st Jan	Chemical Fertiliser 15th Sept-26th Jan 15th Sept-29th Jan 15th Sept-14th Feb	Farm Yard Manure 1st Nov-12th Jan 1st Nov-15th Jan 1st Nov-31st Jan	The above calendar is a suggestion for beef farmers to reduce emissions of their farms. The actions in blue reduce nitrous oxide emissions and the actions in yellow reduce methane emissions. This calendar was developed by Niamh Dunphy as part of a Masters in Agricultural Innovation and Support.								
Buffer Strips	Slurry=5 meters(10 meters for the first 2 weeks & last 2 weeks of spreading season) Chemical Fertiliser = 2 meters			Contact: niamh.dunphy@teagasc.ie				12 steps to reduce				

*These dates are applicable until 2025

Contact: niamh.dunphy@teagasc.ie



12 steps to reduce emissions

