

Commenter F

Nitrogen Management Project Protocol
Minimum Data Standard Public Comment Period

General Comment:

There has been published a manual regarding sampling which also looks at chamber design etc.:

<http://www.globalresearchalliance.org/research/livestock/activities/nitrous-oxide-chamber-methodology-guidelines/>

Reserve Technical Questions 5:

Minimum should be 1 per week, but more frequent after fertilization or irrigation or significant rainfall (e.g. 1 inch), the measurements should be 24 and 48 hr after these events and ideally 72 hr.

Reserve Technical Questions 6:

Major events are normally within growing seasons, the contribution of non-growing season events could potentially be extrapolated from existing/previous experiments (GRACENET). Whilst annual emission estimates are preferred it does increase the transaction costs. As a minimum, a total sampling period of one month pre- and post-season should be stated. A typical season would require definition of both temperature and rainfall.

Reserve Technical Questions 8:

This is dependent on how you define the boundaries of a project, not a specific area. If a project contains different soil types, climates and farming systems within, then you need representation based on these variables.

Reserve Technical Questions 15:

Outliers are usually quite obvious within a dataset but it is difficult to define a limit.