

## **Commenter K**

Nitrogen Management Project Protocol  
Minimum Data Standard Public Comment Period

### **Reserve Technical Questions 6:**

- (a) Yes, year-round measurements should be required and it is reasonable to do so.
- (b) It is better than not having the full year, but ideally, you want two years. This is what we have done most of the time, but not always due to funding shortage.
- (c) I would ask this to some climatologists.
- (d) No, there are too many differences between sites that we do not have under control.

### **Reserve Technical Questions 11:**

- (a) I think guidance is needed because I would argue that you have to do the different functional locations no matter what and some sense of spatial variability is needed too. The Reserve could recommend, for example, 4 chambers per functional location in a test plot and 10 chambers deployed at random across the field.
- (b) The recommendation could differ based on what is known about the spatial variability in soil properties across a field.
- (c) I would make it flexible, but demand some statistical bases for the chosen design.
- (d) Again, it depends on what is known about the variability in soil properties.

### **Reserve Technical Questions 14:**

I looked over the questions in the attached file and I am very happy to see that some thought is being given to this. I suggest you have a look at the Kennedy et al. (2013) paper (Fig 2) for furrow systems and the Garland et al. paper (2011) (Fig 2) for perennial system.