



## Couverture de sol et culture de maïs... évolution des profils azotés

*en collaboration avec*

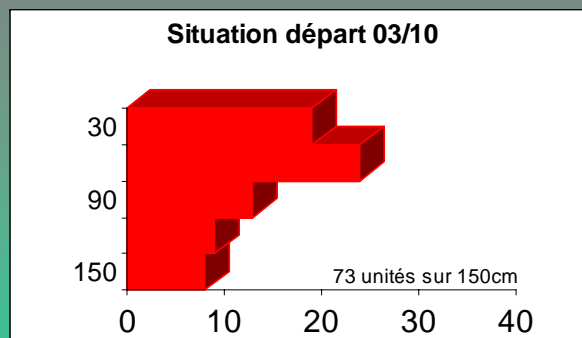


Avec la participation financière du Ministère de la Région Wallonne  
Direction Générale de l'Agriculture

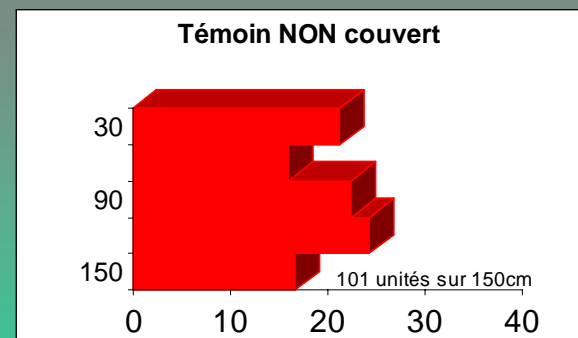


## Profils printemps après cipan (monoculture - Vieusart 2001/2002):

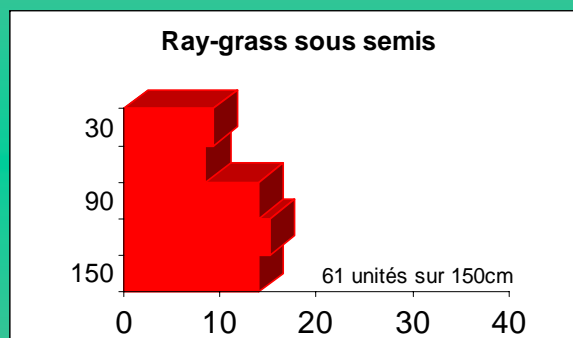
Automne 2001  
après maïs



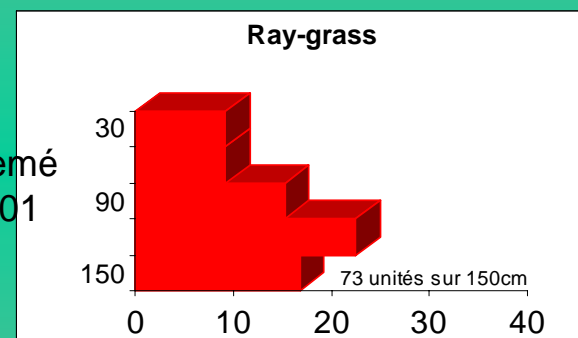
Avril 2002  
avant maïs



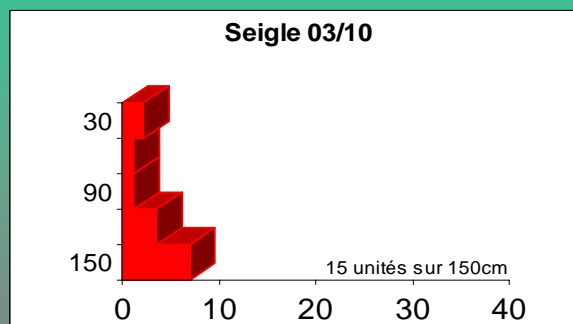
Sous-semis semé  
fin juin 2001



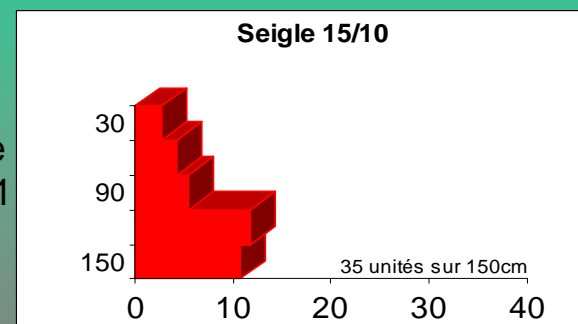
Ray-grass semé  
déb. Oct 2001



seigle semé  
déb. Oct 2001



seigle semé  
mi. Oct 2001

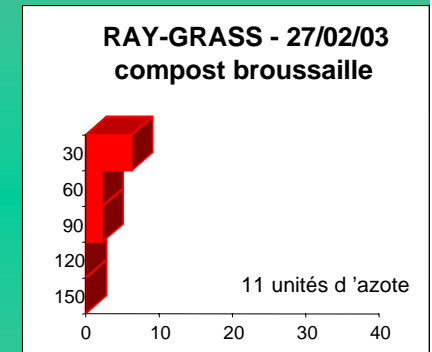
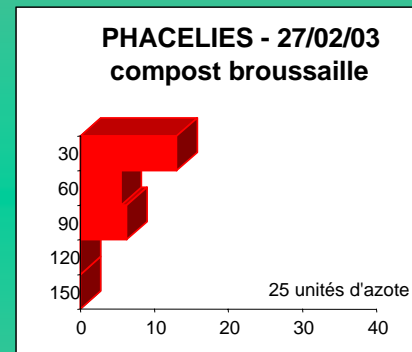
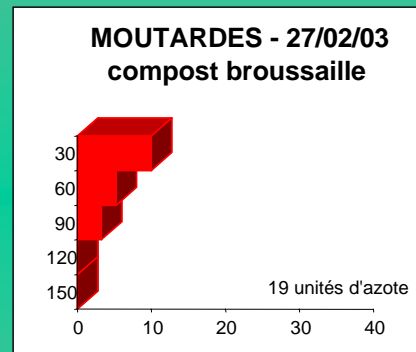
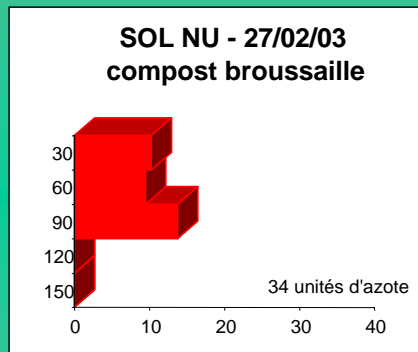


# Profils printemps après cipan (rotation - Corroy-le-Grand 2002/2003) - coll. Agrenwal:

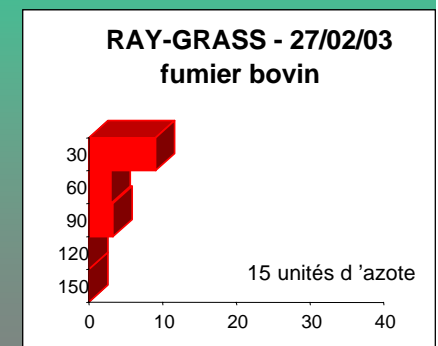
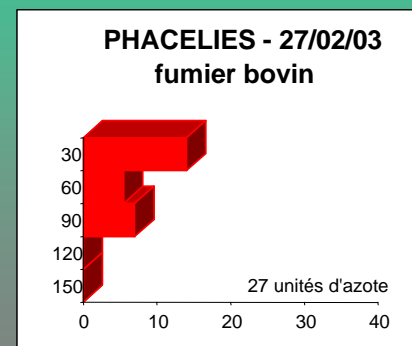
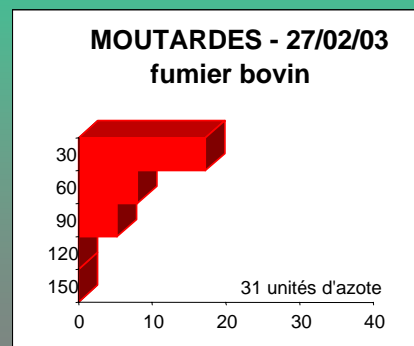
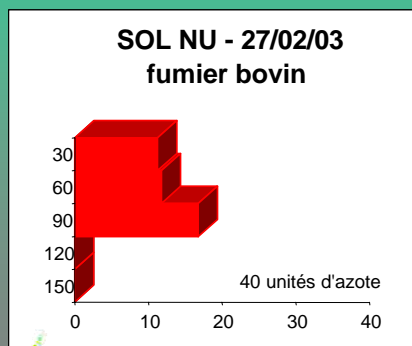
Précédent: escourgeon  
Epannage engrais ferme: le 31/07/02 → objectif = 180 u Ntotal  
Couverts: le 03/09/02  
Sol: limon - 2,5% humus - pH 6,1

## Fumures organiques à action « lente »:

### Compost de broussailles:

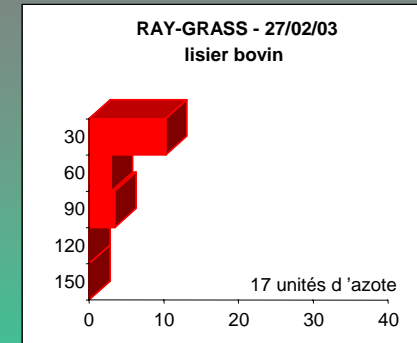
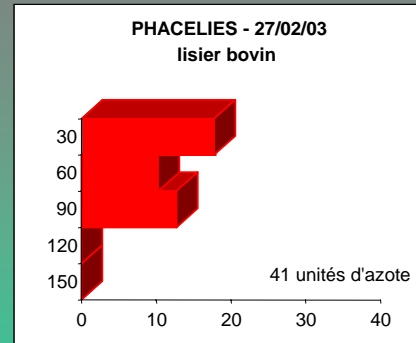
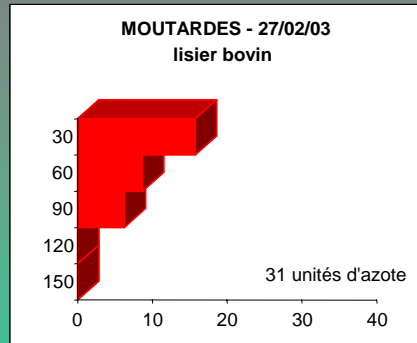
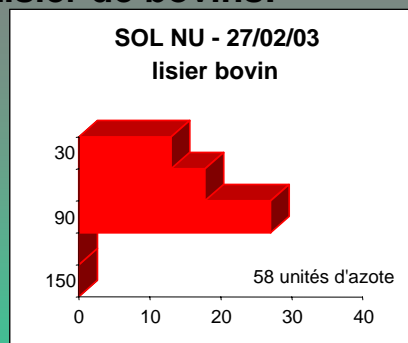


### Fumier de bovins:

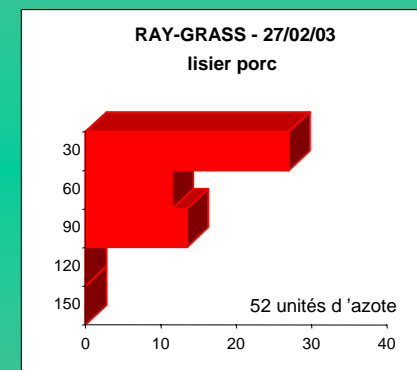
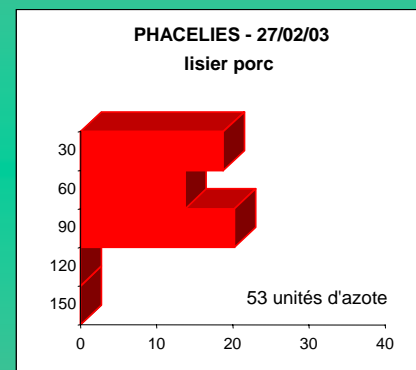
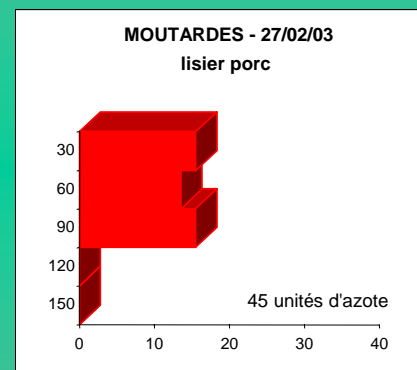
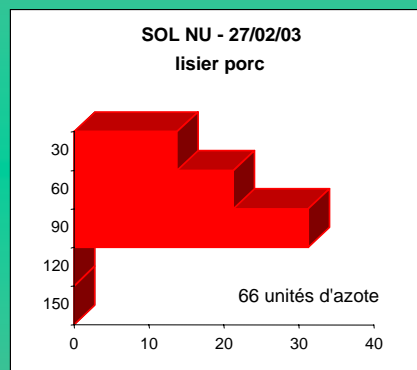


# Fumures organiques à action « rapide »:

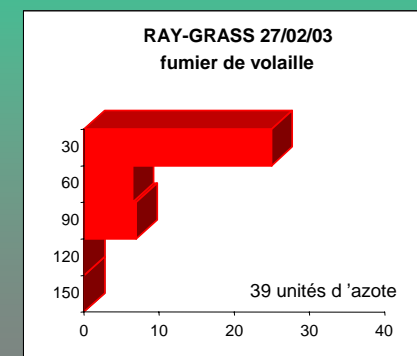
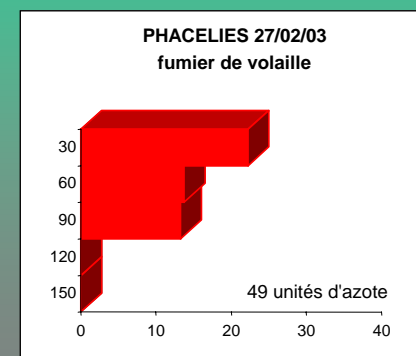
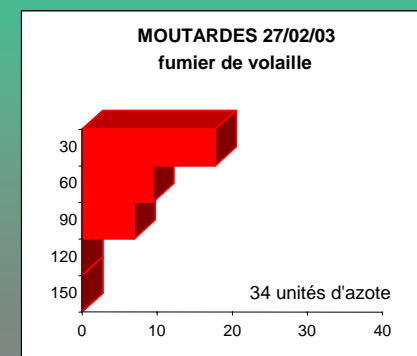
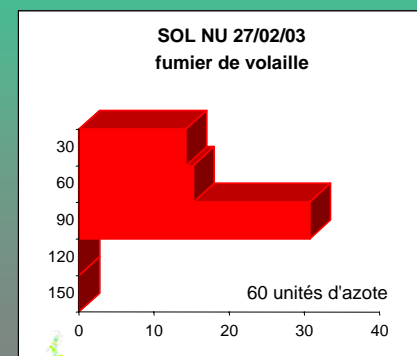
## Lisier de bovins:



## Lisier de porc:



## Fumier de volailles:



## Association d'une culture de maïs et d'un couvert (ray-gras ou seigle)

(cas du maïs cultivé en monoculture) - Vieusart 2005  
coll. Nitrawal

### Protocole:

Région Wavre - sables bruxelliens

humus: 2,7%

pH: 7,0

### - Cipan:

seigle semé mi-octobre

ray-grass sous-semis

ray-grass fin septembre

sol nu

### - lisier semis:

épandage de printemps

azote total:

2,5 u Nt/m<sup>3</sup>

lisier 130N

**40m<sup>3</sup>**

lisier 180N

**55m<sup>3</sup>**

lisier 210N

**80m<sup>3</sup>**

+ fertilisation azotée adaptée (de 0 à 154u N/ha)

### - utilisation couvert:

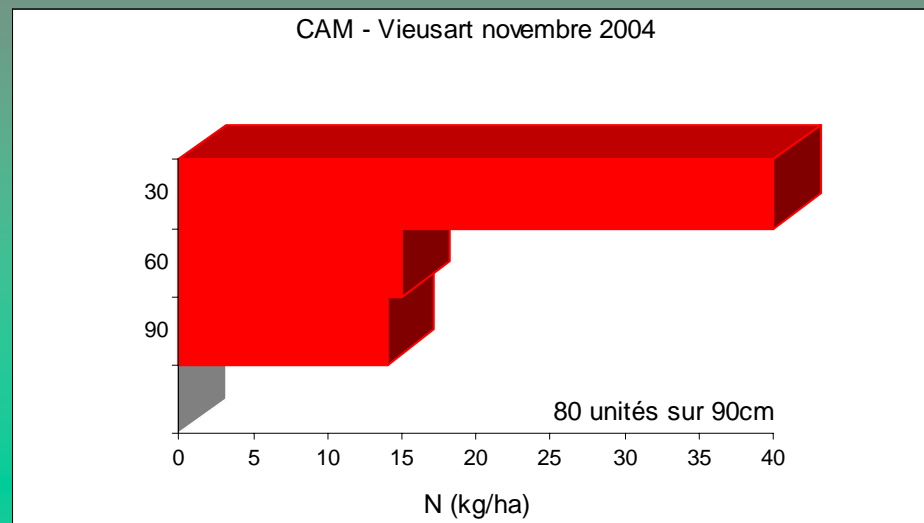
ray-grass récolté

seigle détruit 4 semaines avant semis

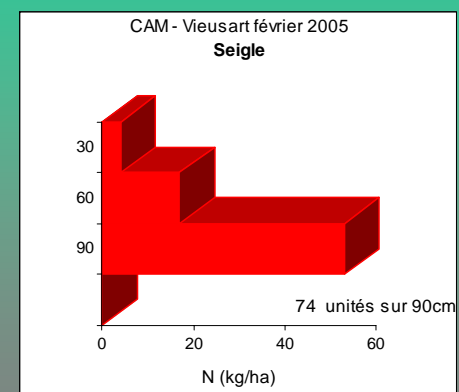
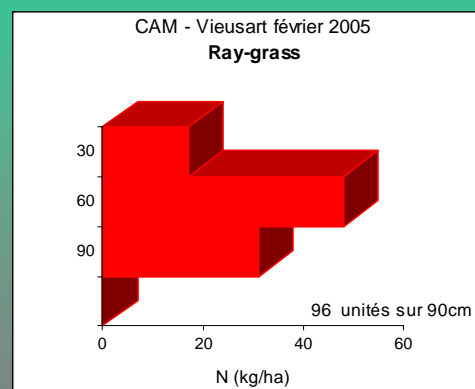
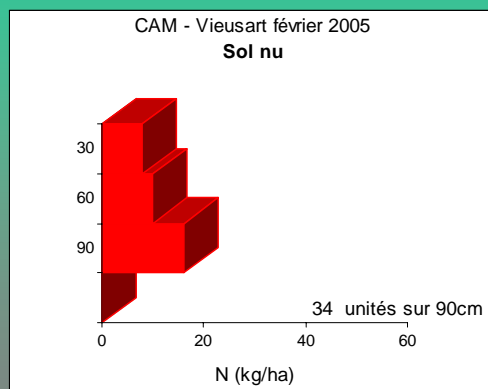


#### 4.2.5. EVOLUTION DES PROFILS AZOTES :

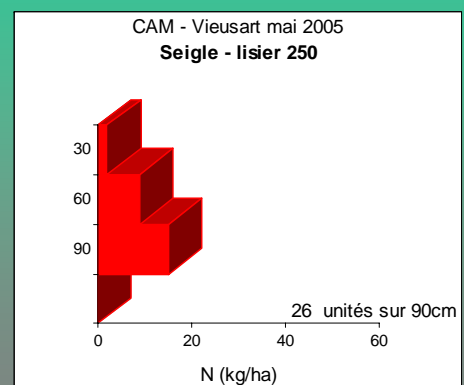
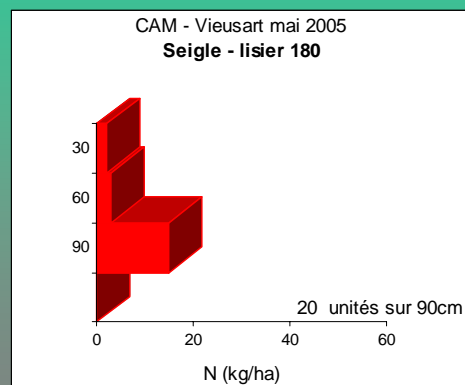
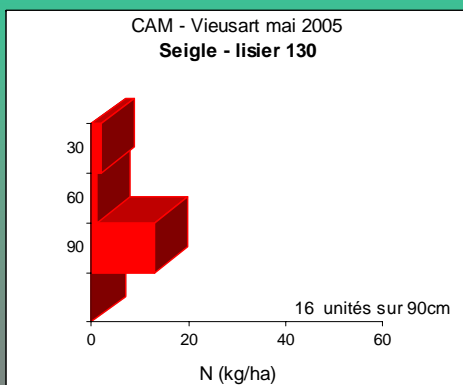
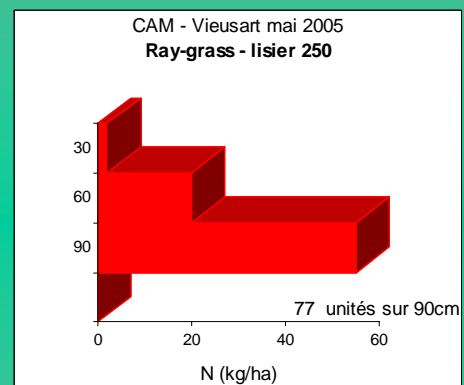
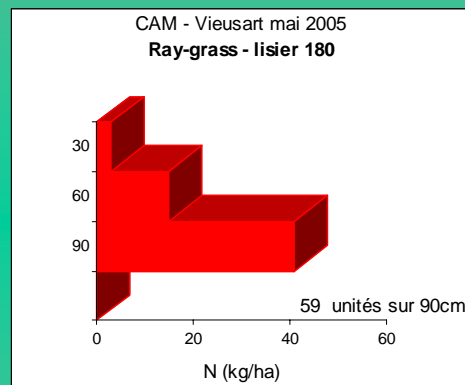
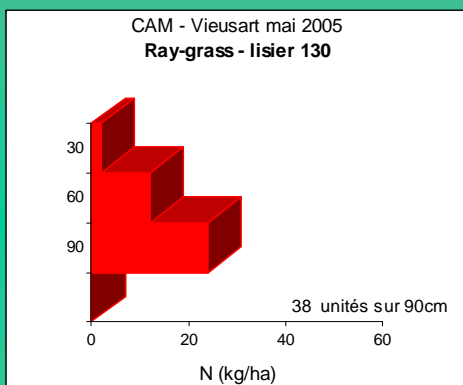
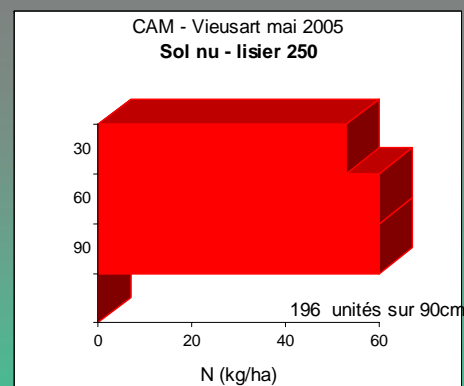
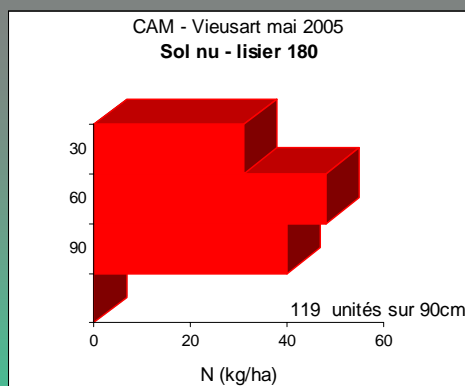
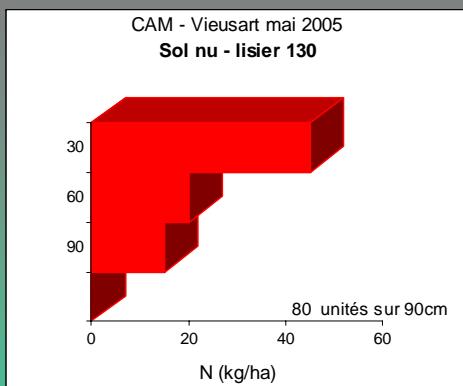
*Situation de départ en novembre 2004:*



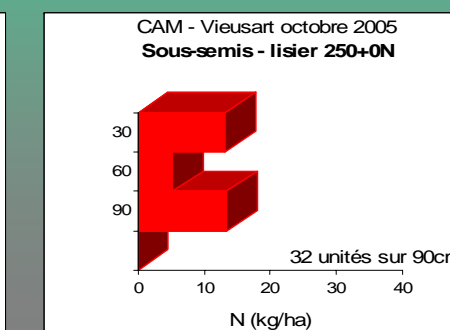
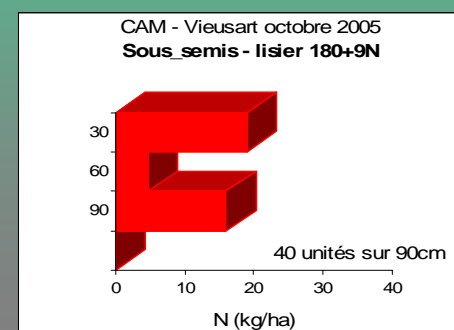
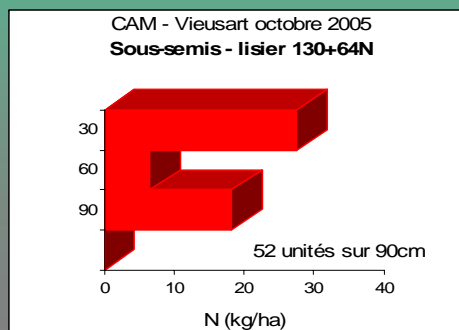
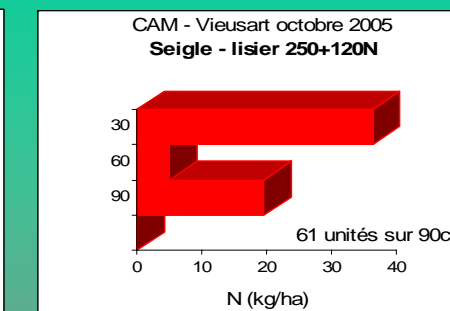
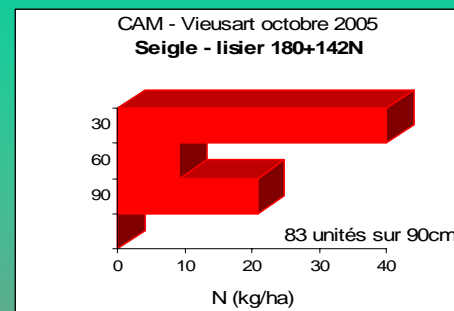
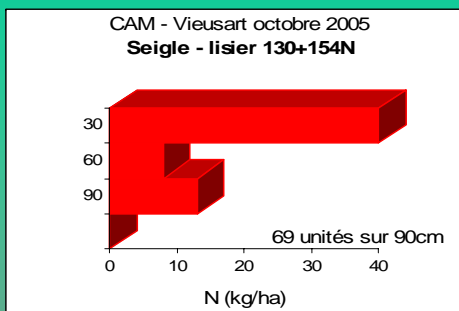
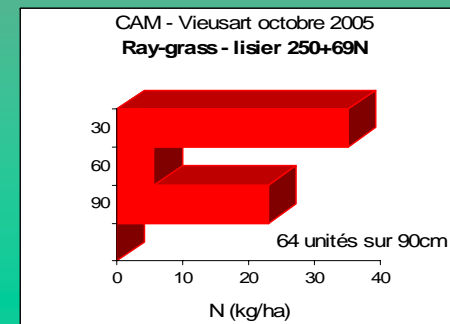
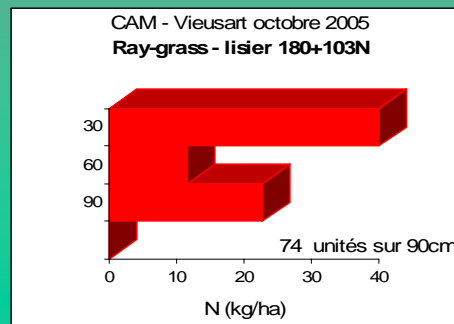
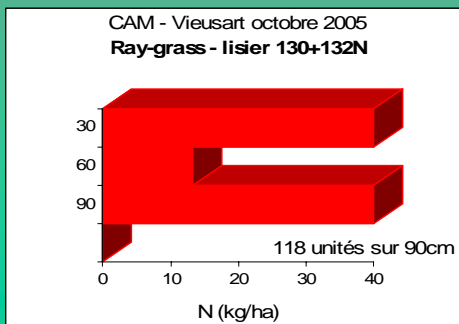
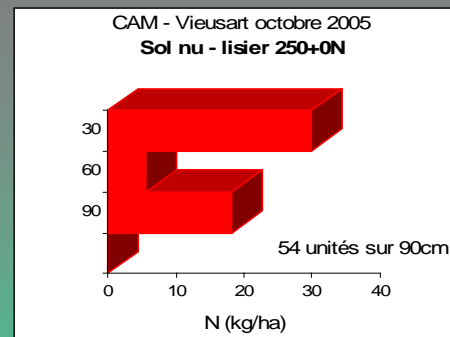
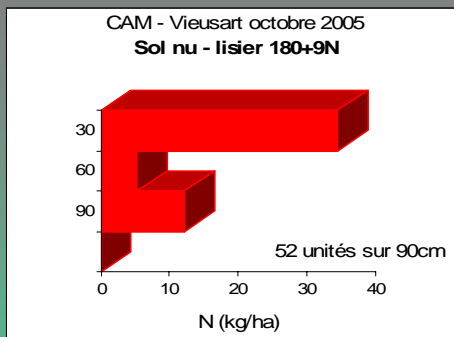
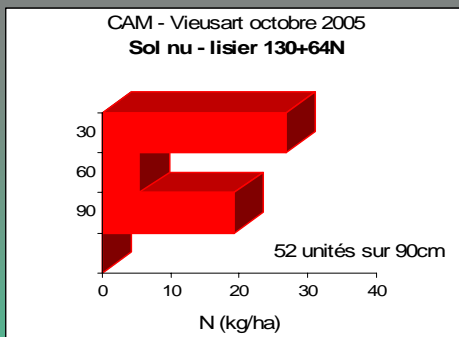
*Sortie d'hiver 2005:*



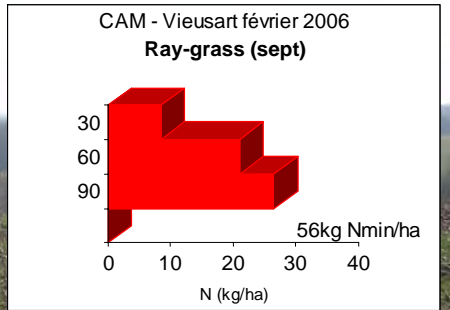
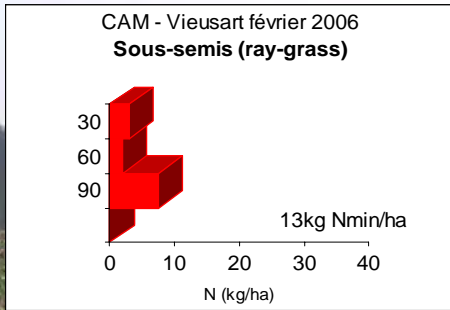
Profils réalisés avant semis en mai 2005:



Profils réalisés après récolte du maïs en octobre 2005 :







Couvert récolté

Couvert pulvérisé

