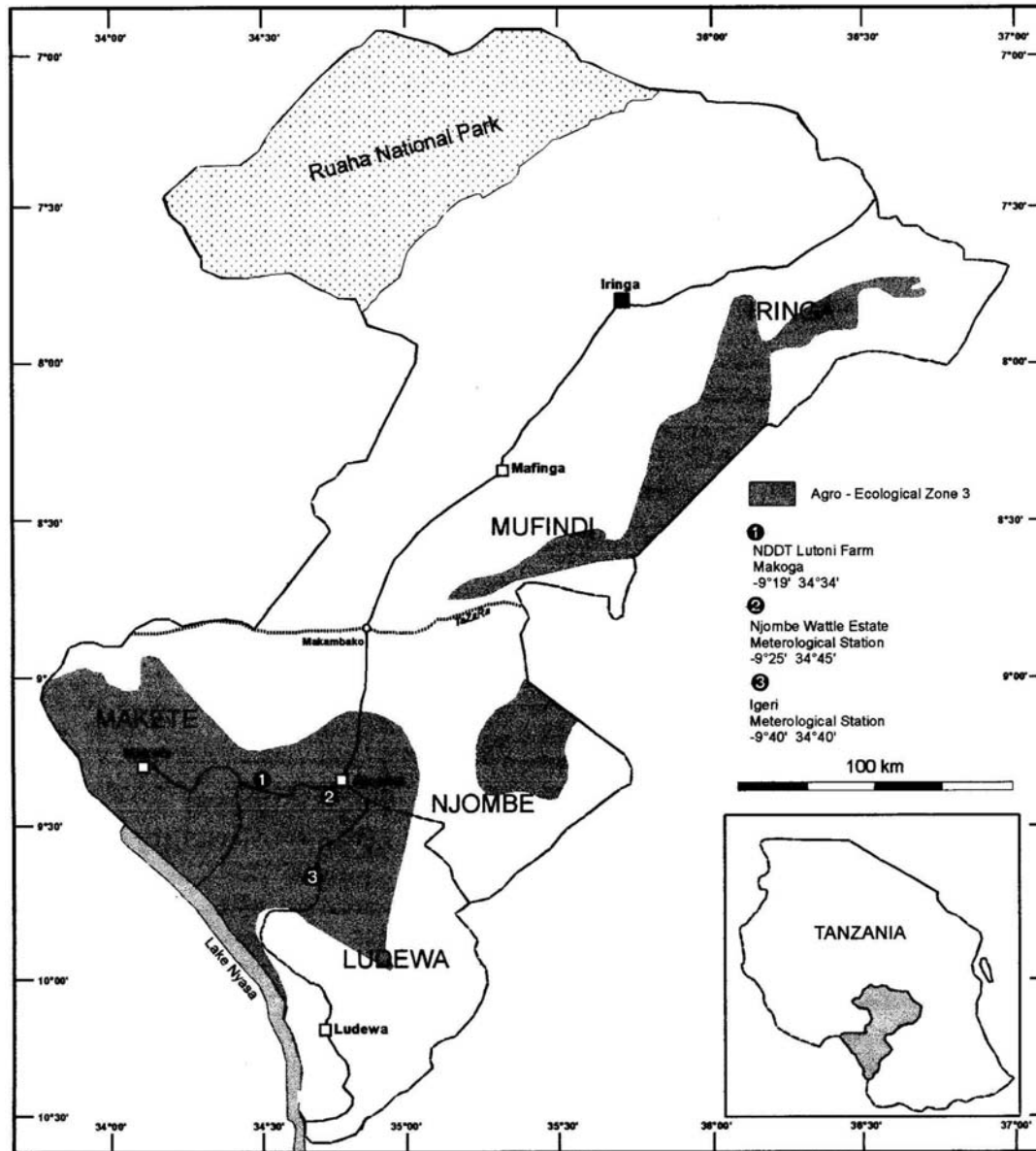


Projektregion



map 1: Iringa Region Map

Bobert, 1995 Source: AHT, 1986

Ziele der Regionalplanung Iringa

1. Flächenausdehnung für die Kulturen Mais, Sonnenblumen und Pyrethrum
 2. Erhöhung der Hektarerträge für Mais, Sonnenblumen und Pyrethrum
 3. Vereinfachung der Vermarktung der genannten Produkte
- (PAPENDIECK, 1994)

Intern sieht die AHT die Rolle des Projektes für die Region etwas bescheidener:

The project found itself (as the major project in the region) in a position to prevent the further decline of the existing levels of production in the region, rather than the consolidation and improvement of these production levels (AHT, 1986).

Ziele des Farmprojektes

- Produktion von Mais, Kartoffeln und Weizen
- Finanzierung einer angeschlossenen Sekundarschule mit den Farmgewinnen
- Know-How Transfer
- „nachhaltige“ Produktion

Methoden zur Zielerreichung

- Intensivierung der Produktion
- höhere Inputs
- ertragreichere Sorten
- Einführung der Ochsenanspannung
- Motorisierung (Schlepper, LKW)

Lutoni Farm



Map 2: Lutoni Farm Makoga: Farm Map















Klima in Njombe

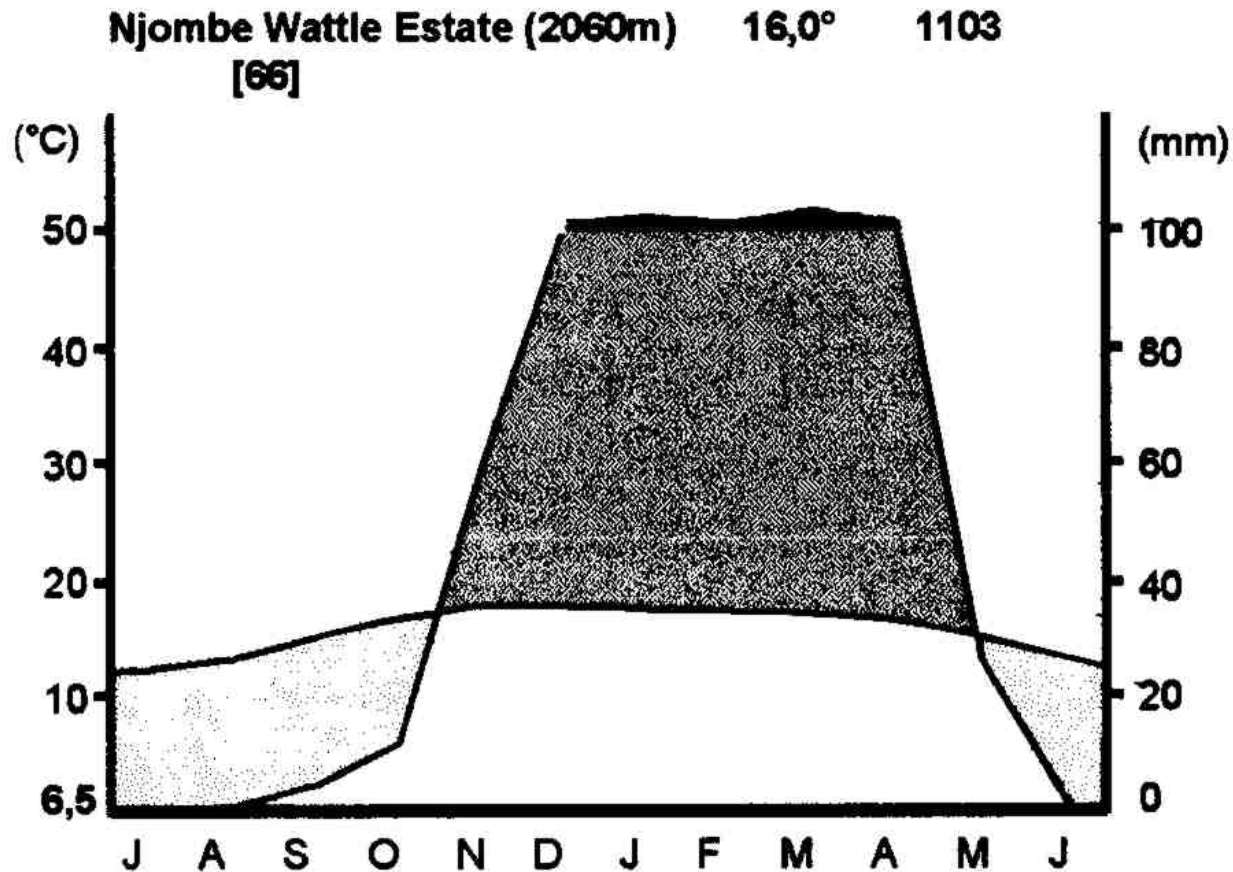


fig.1: Climate in Njombe

Bobert, 1995

Verteilung der humiden Monate 1927 – 1993 in Njombe

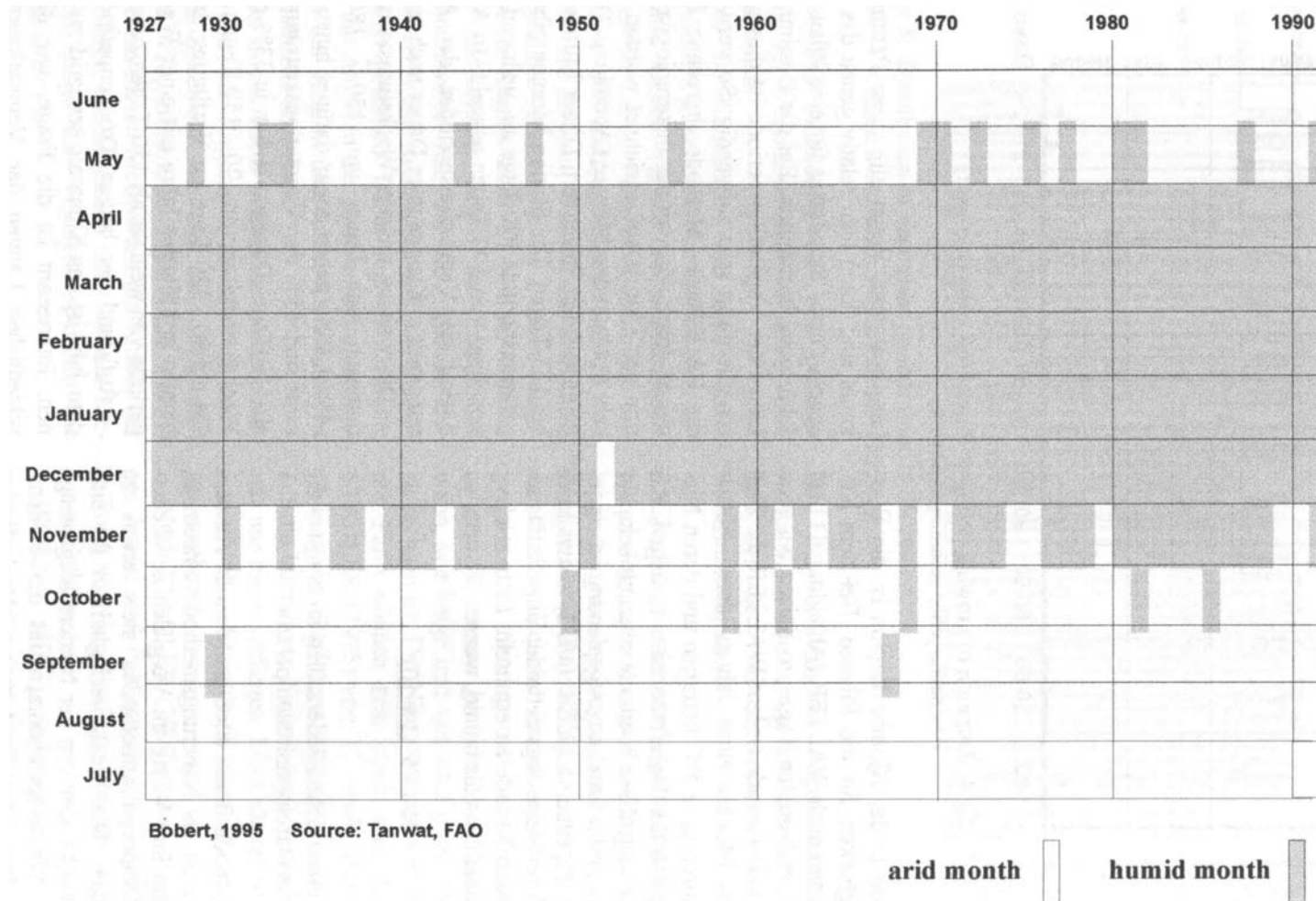


fig.3: Humid months 1927 - 1993 according to LAUER at Tanganyika Wattle Estate

Dauer der Vegetationsperiode in Njombe

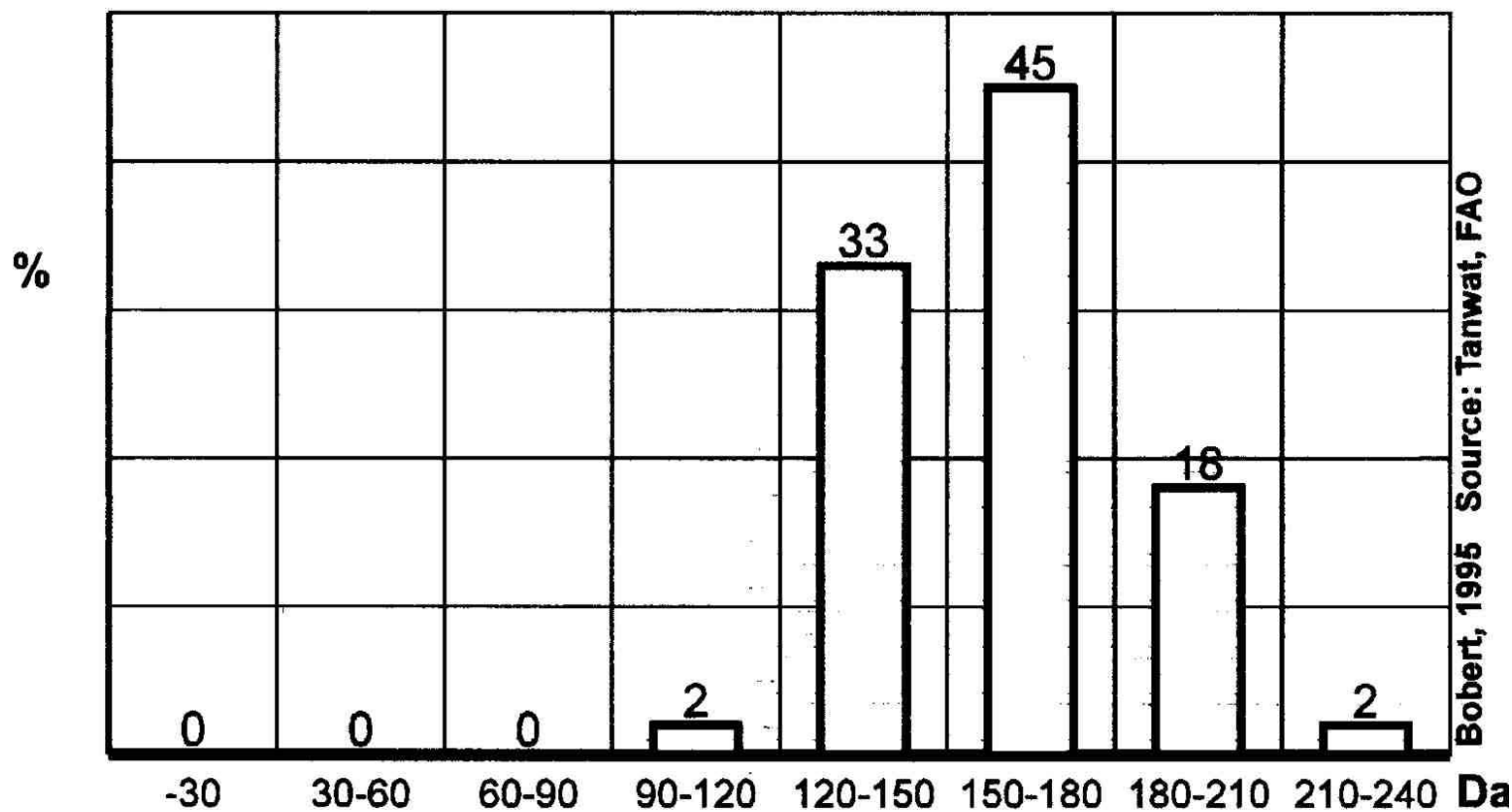


fig.4: Duration of growing period at Tanwat (66 years data base)
(Vegetation period according to LAUER)

Verteilung der Starkregenereignisse in Njombe

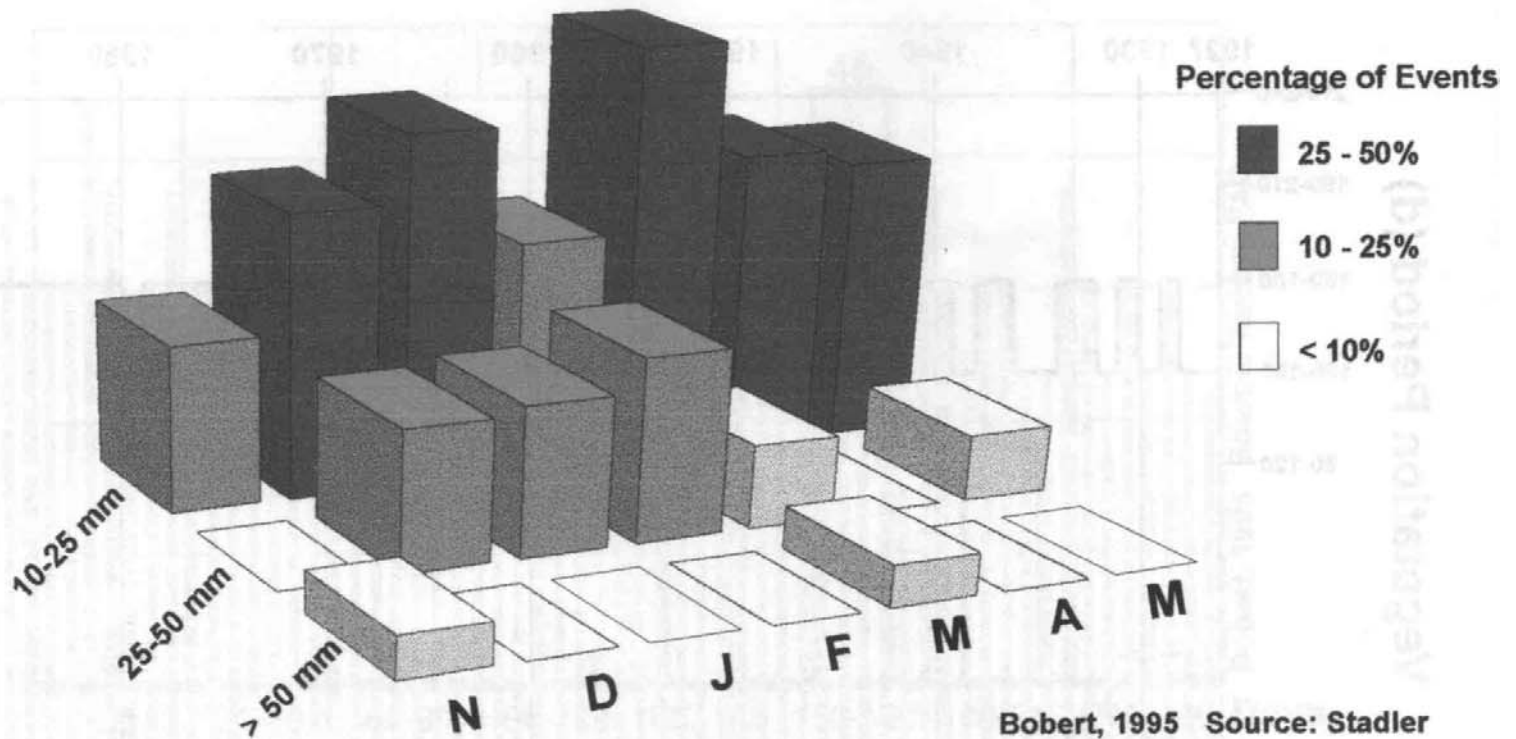


fig.6: Heavy rainfall distribution 1992 - 94 at Lutoni Farm
Percentage of event classes (mm/d)

Farmeinkommen

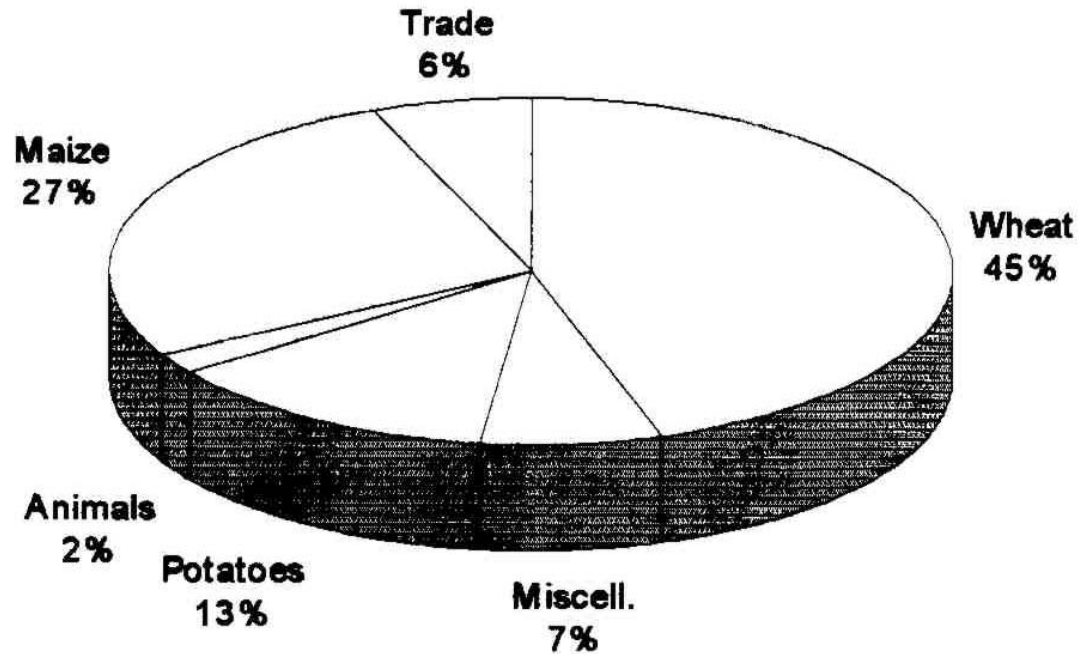
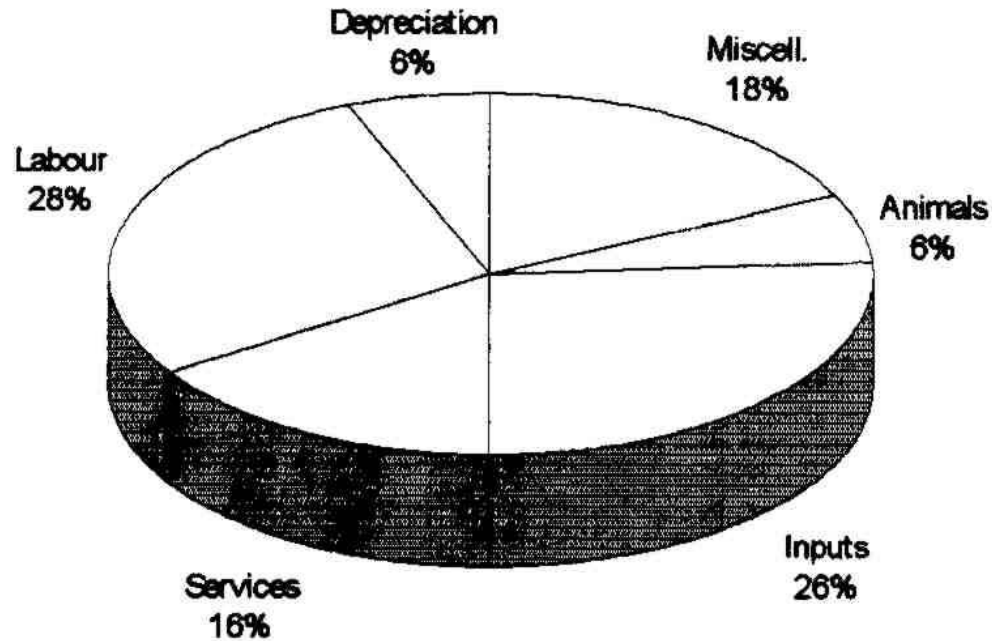


fig. 8: Average contribution to farm income

Farmausgaben

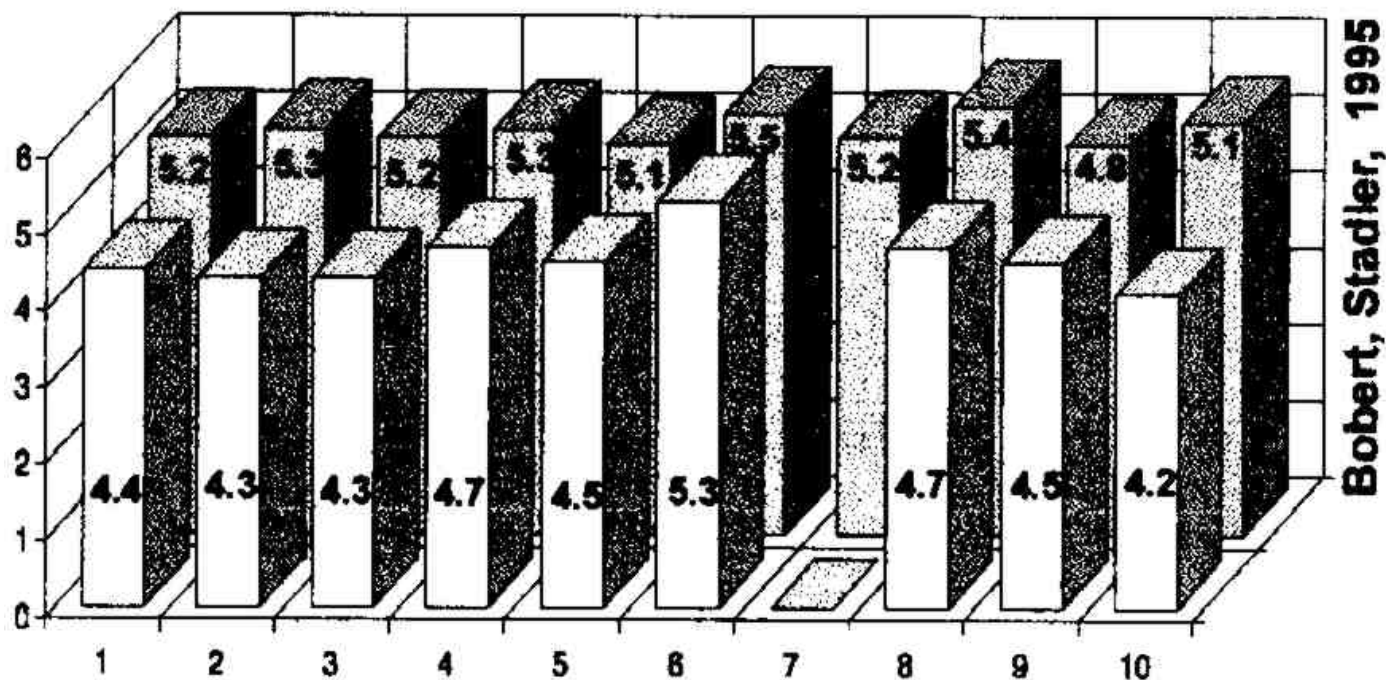


g. 9: Average contribution to farm expenditures

Bodeneigenschaften in Njombe

	pH	C (%)	CEC (meq)	BS (%)	P (ppm)	Text.
Borden	5.0	3.3	9.8	23	2.7	sL
AHT	4.9	3.9	13.3	24	2.3	scL
Stadler	5.2	2.9	-	-	2.6	sL
Bobert	4.5	2.2	15.9	26	0.3	sL

Veränderung des pH-Wertes 1992 - 1994



ig. 10: pH - balance 1992 - 94 at 10 sites (data as pH)

Änderung des C-org Gehaltes 1992 - 1994

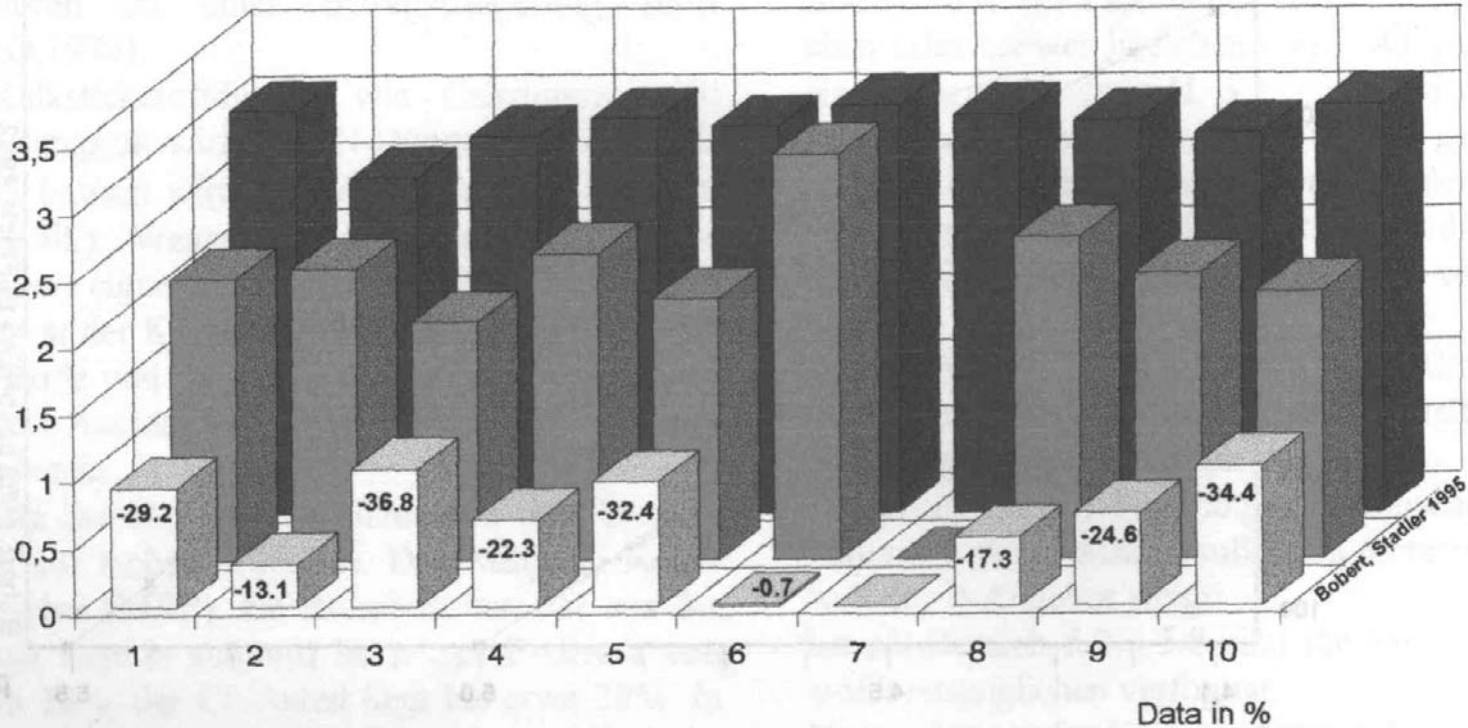


fig. 13: Organic matter balance 1992 - 1994 at 9 sites (2 sampling years and difference in %)

Beziehung zwischen pH-Wert und Aluminiumgehalt

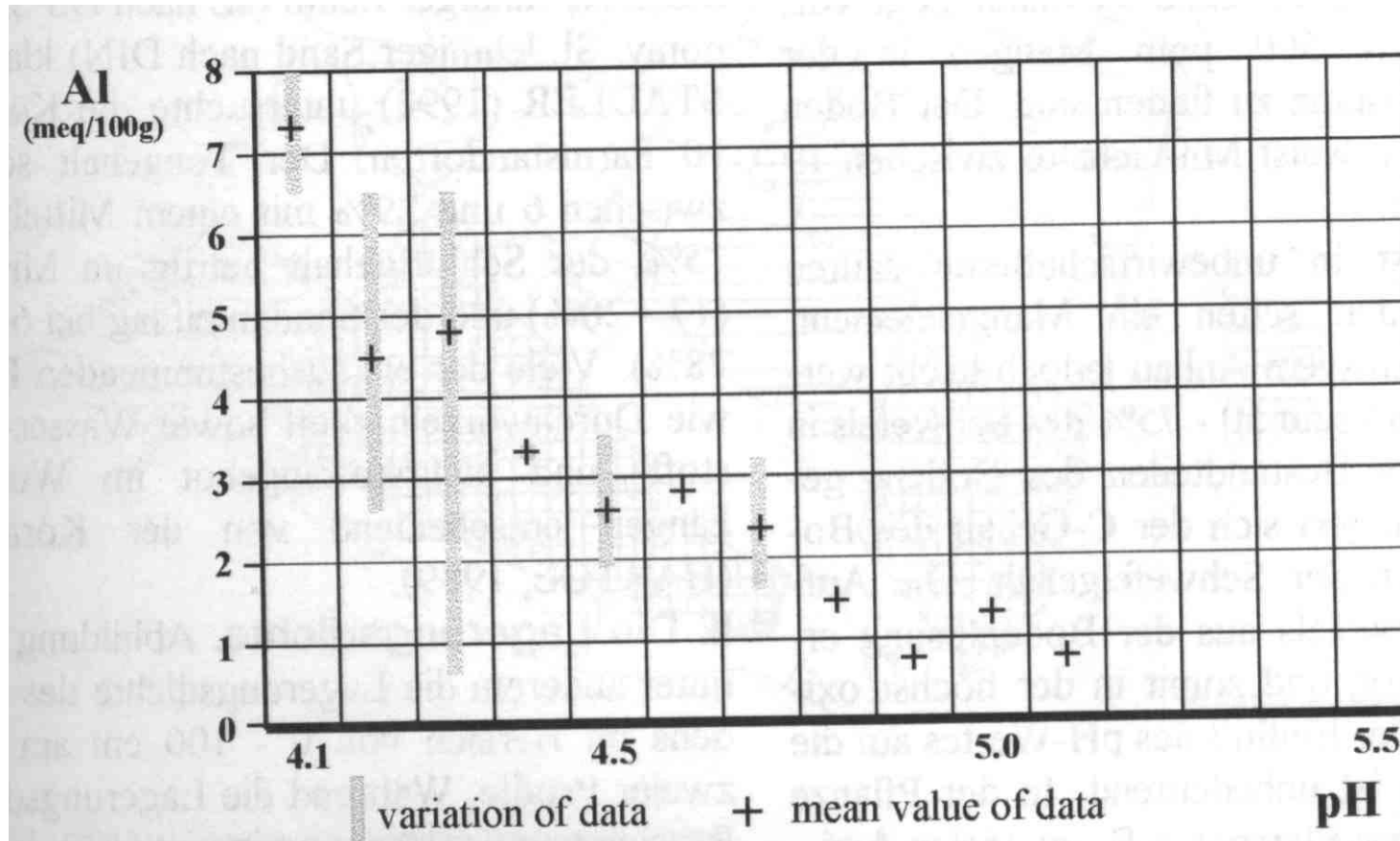
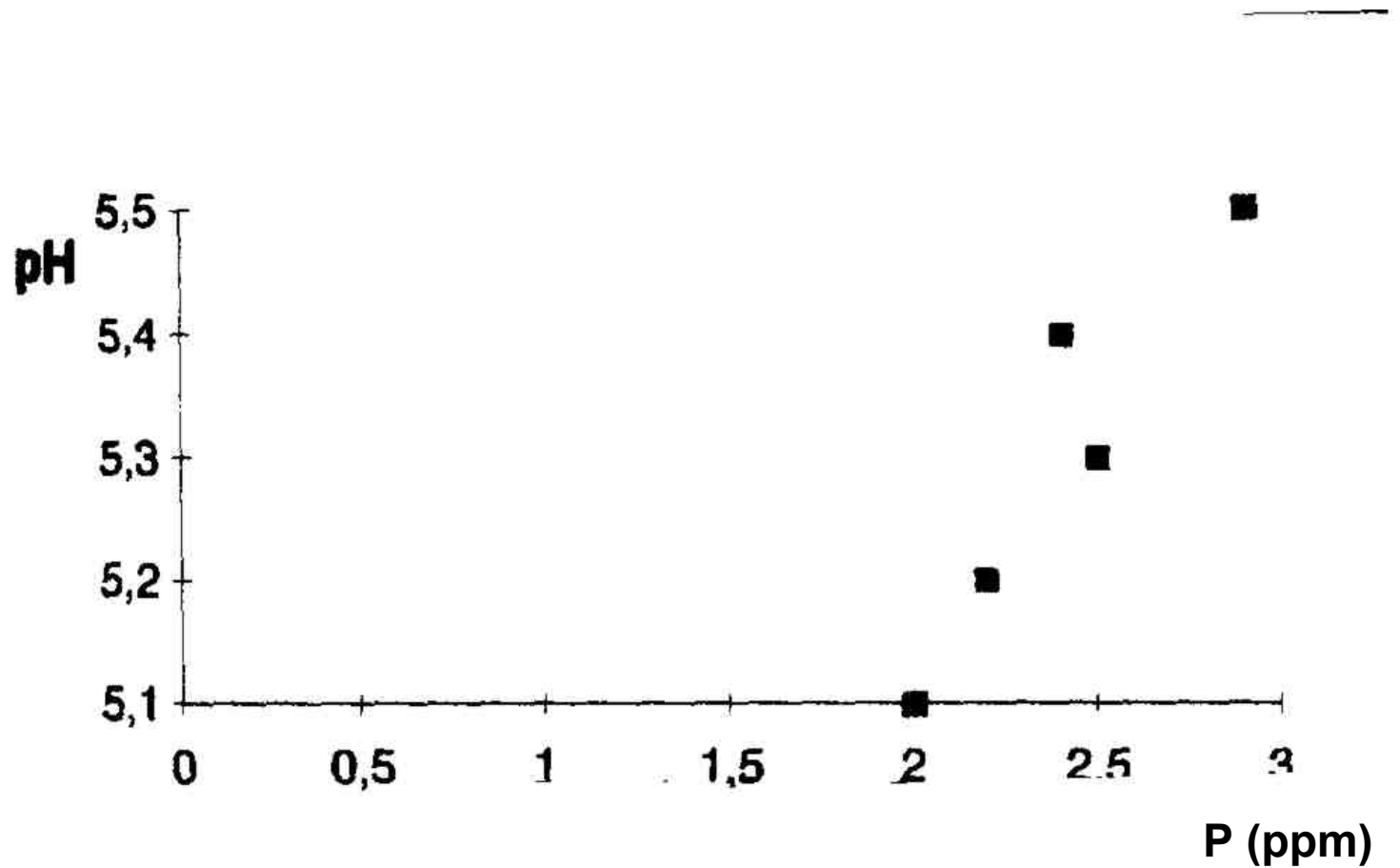


fig. 20: Al^{3+} -content and pH of 30 soil samples at Lutoni Farm

Bobert, 1995

Beziehung zwischen pflanzenverfügbarem Phosphor und pH-Wert



Beziehung zwischen pH-Wert und Humusgehalt

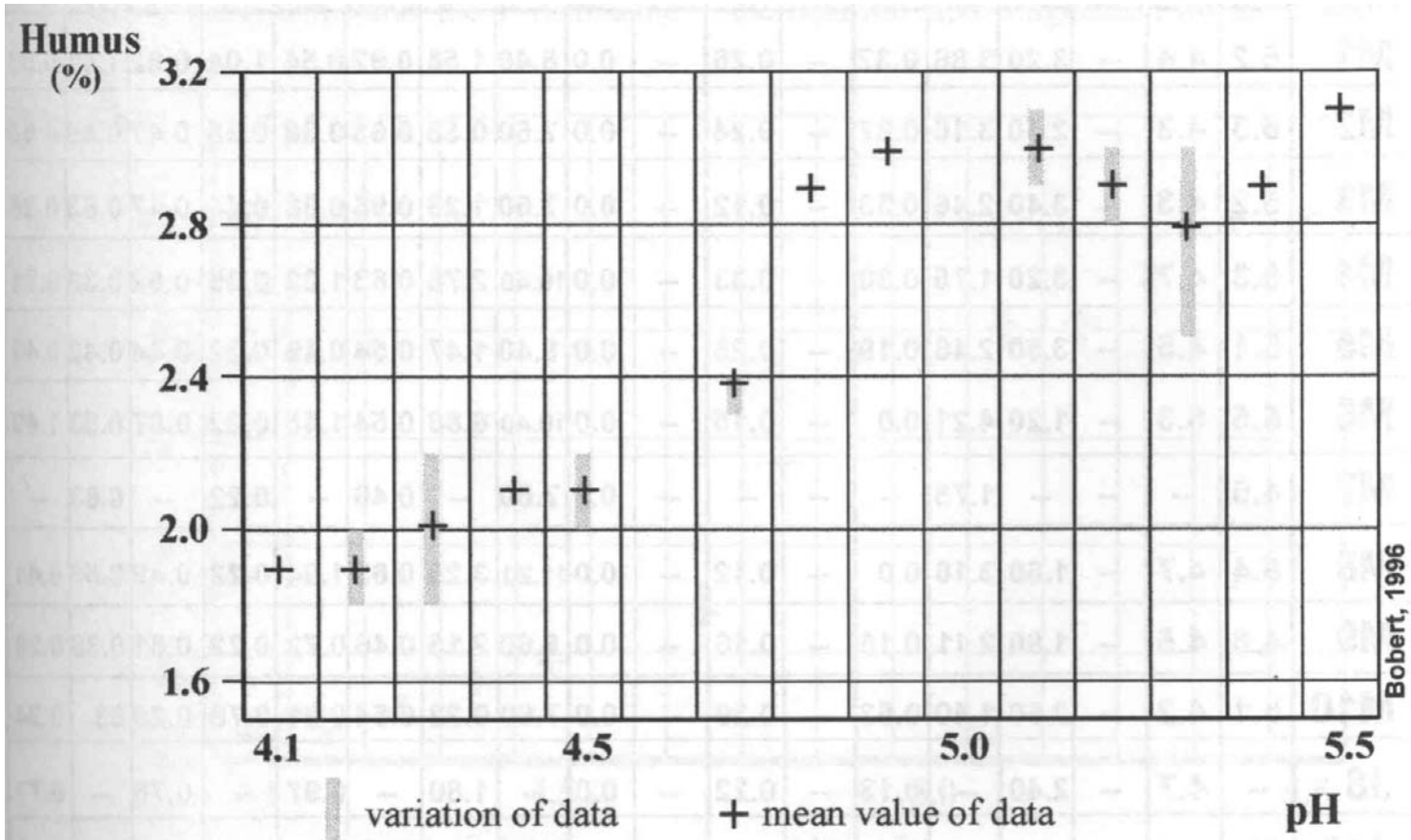


fig.14: C-content and pH of the soil at Lutoni farm (50 samples)

Bodennährstoffe 1992 - 1994

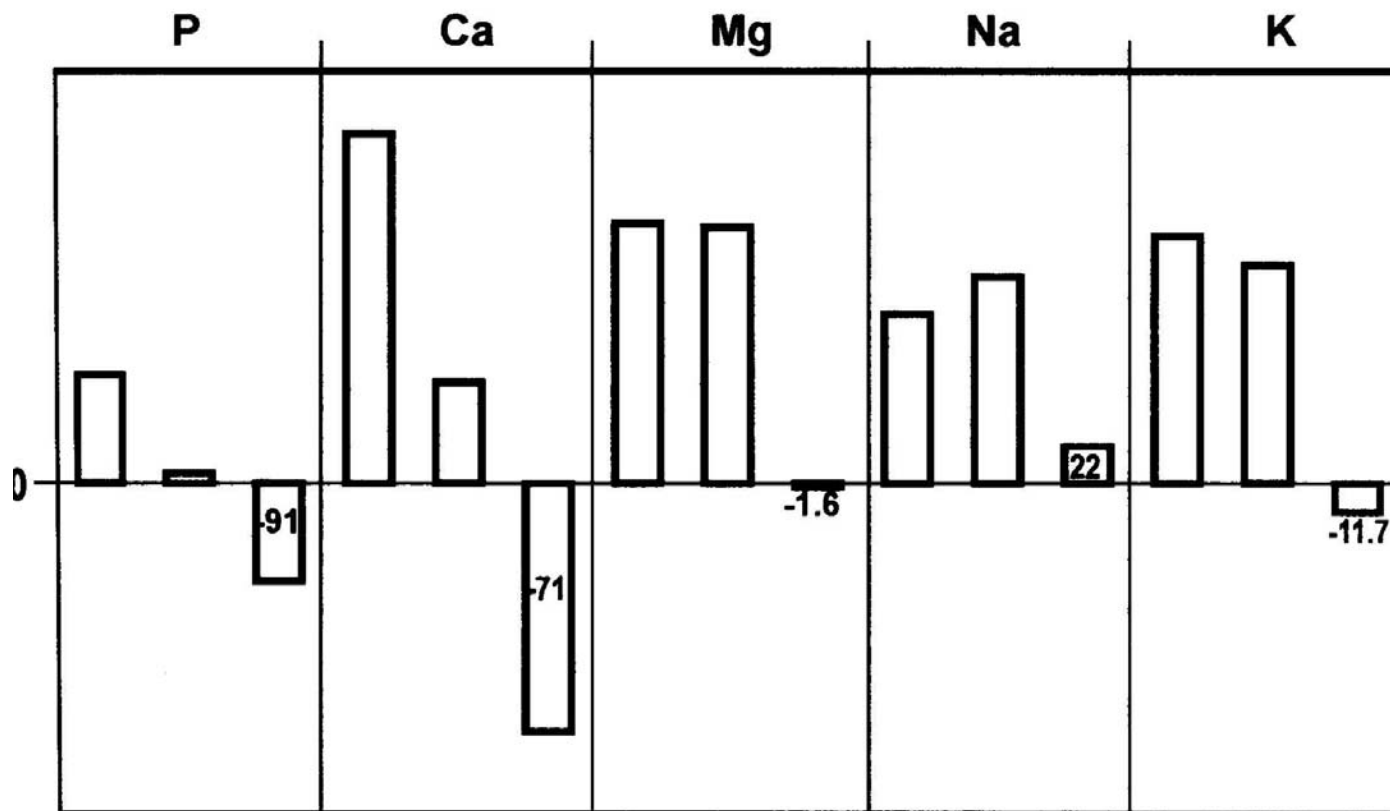


fig. 16: Change in nutrient content of soil from 1992 - 94 (50 samples)
(difference in %)

Bobert, Stadler 1995