Landwirtschaftskammer Niedersachsen

2. Low input production in black currants

2.1 Influence of weeds in black currants

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treatments

1. weeds in the plant stripe

2. weeds in the plant stripe **- 100 kg N/ha** **a) 50 kg end of April**

b) 50 kg beginn of June

- water if needed

3. weed control with herbicides from spring until harvest

cultivar Ceres, planting year 2009, planting distance 3,25 m x 1,5 m, 5 plants per plot, 4 replications

data collection

yield per plant, berry size, berry number per strig, quantity and length of new shoots,

nitrate-introgen in 0 – 20 and 20 – 40 cm depth from spring to autumn every 4 weeks, water content with watermark sensors in 10 and 20 cm depth (measurements 2 times per week), leaf analysis middle of July for N, P, K, Mg, Ca, fruit analysis

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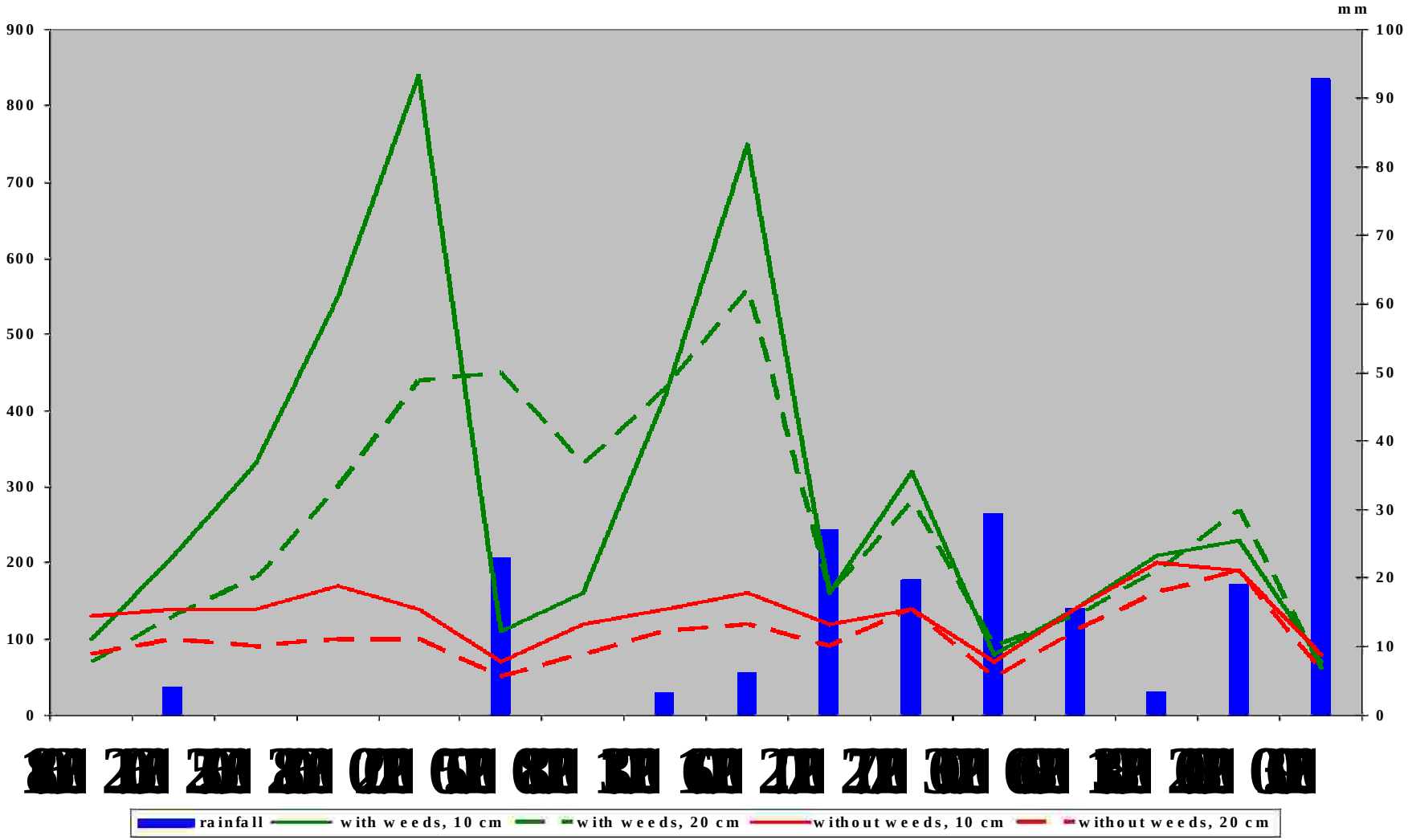
Water content (hPa) and rainfall (mm)



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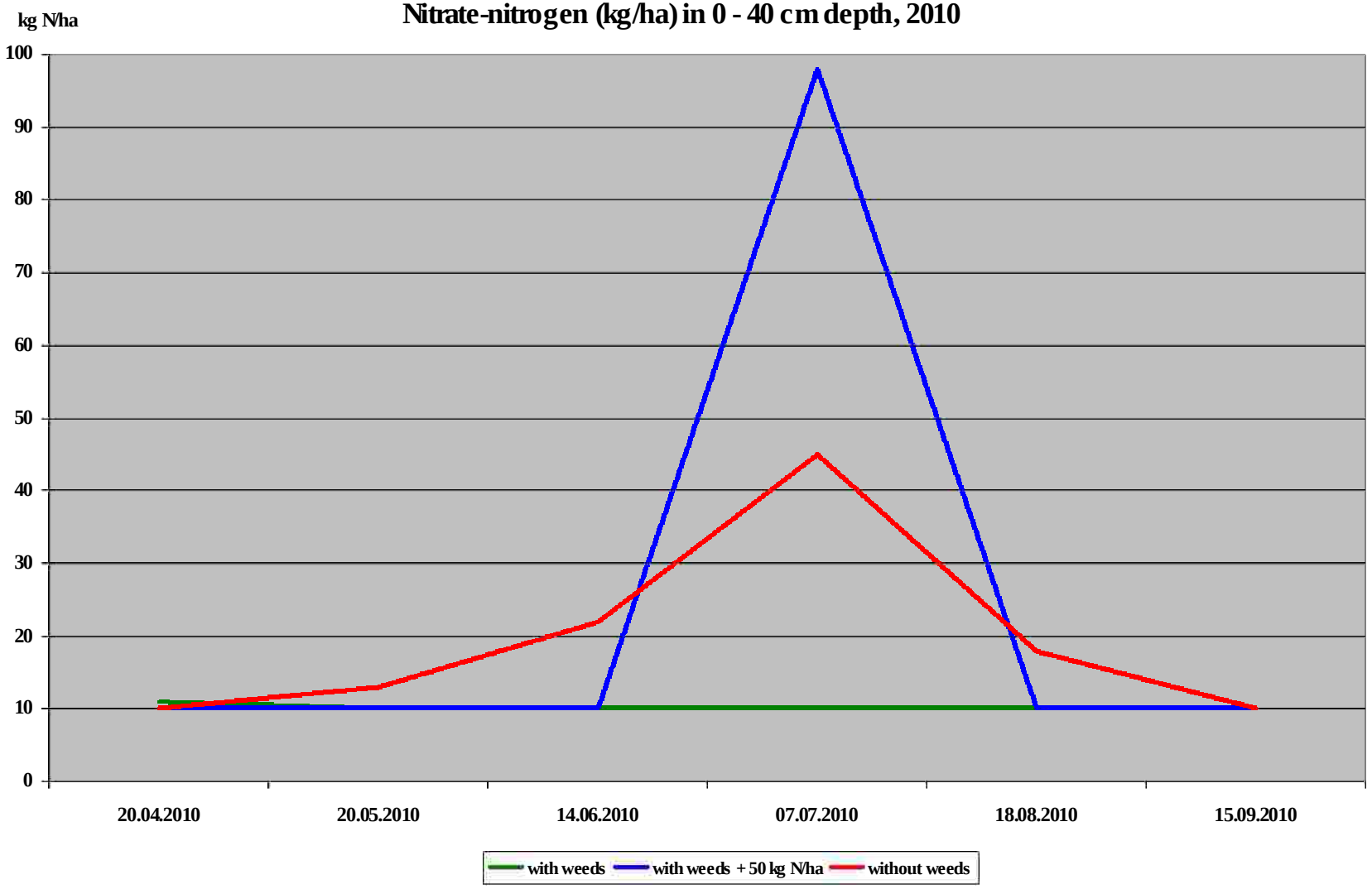

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Influence of weeds in black currants 2010

treatments	yield g/plant	berry weigth g	berry number per strig
1. with weeds	1430	1,00	4,85
2. with weeds and 50 kg/ ha nitrogen[1]	1472	1,01	4,90
3. without weeds[2]	1515	1,19	4,73
L.S.D 5 % (t-Test)	ns	0,09	ns

)[1] 15.06.10 as Kalkammonsalpeter (27 % N, ammoniumnitrate fertilizer)

)[2] 14.06.10 herbicide Basta 5 l/ha