Trial report

# Variety testing of

## *Poa pratensis, Festuca rubra, Lolium perenne and Dactylis glomerata*

Second year harvest

AGRONOVA

*LC Field Trials*

2006

**Agronova**
**Møllevej 15-17**
**4140 Borup**
**Phone: (+45) 57561700**
**Fax: (+45) 57561702**
**Mail: agronova@lc.tc**

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# 1. Introduction

This report contains the results of four variety testing trials in *Poa pratensis, Festuca rubra, Dactylis glomerata and Lolium perenne*.

The location of the trials was near Ringsted, Denmark.

| Trial number by Agronova | Species |
|---|---|
| 2004.541.00 | *Poa pratensis* (Engrapgræs) |
| 2004.542.00 | *Festuca rubra* (Rødsvingel) |
| 2004.543.00 | *Lolium perenne* (Rajgræs) |
| 2004.544.00 | *Dactylis glomerata* (Hundegræs) |

The trials have been carried out by the GEP-unit, Agronova in 2006 for Barenbrug, Holland.

22 November 2006

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Morten Lind
Agronova
LC Field Trials

# 2. Trial 2004.541.00 *Poa pratensis* (Engrapgræs)

## *2.1 Varieties*

| No. | Name |
|---|---|
| 1 | Baron |
| 2 | Bariris |
| 3 | Barimpala |

## *2.2 Plot map*

| Rep | 1 | | 2 | | 3 | | 4 | | 5 | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 101 | 3 | 201 | 1 | 301 | 3 | 401 | 1 | 501 | 3 |
| | 102 | 2 | 202 | 3 | 302 | 2 | 402 | 3 | 502 | 2 |
| | 103 | 1 | 203 | 2 | 303 | 1 | 403 | 2 | 503 | 1 |

## *2.3 Site description*

Basic information for trial 2004.541.00 *Poa pratensis* (Engrapgræs)

| | | | |
|---|---|---|---|
| **Trial host** | Kloevested<br>LandboCentrum | | |
| **Soil analysis** | Coarsesand: 20,2 %<br>Silt: 13,8 %<br>Humus: 2,8 %<br>Finesand: 47,9 %<br>Clay: 15,3 % | Rt: 6,1<br>Pt: 2,5<br>Kt: 9,8<br>Mgt: 8,7 | |
| **Previous crop** | Spring Barley | | |
| **Drilling date** | 16-04-2004 | **Seed rate** | 5 kg/ha |
| **Fertilizer** date<br>type<br>rate | 05-10-2005<br>NS 27-4<br>70 N | | 21-03-2006<br>NitroStar<br>70N |
| **Herbicides** | 04-05-2006 0.1 Primus + 0.05 Diflufenican<br>20-05-2006 1.0 MCPA | | |

## *2.4 Results*

Two weeks before estimated harvest it was decided that lodging in all plots was too small why swarfing was needed and preformed 10st of July. The trial was harvested at 17th of July under fine conditions.

In the following table results from harvest and seed analysis is given.

Study Director: Morten Lind
Location: Kløvested ***Poa pratensis* (Engrapgræs)**

| | | | | | | |
|---|---|---|---|---|---|---|
| Crop Code | | | POAPR | POAPR | POAPR | POAPR |
| BBCH Scale | | | BGRM | BGRM | BGRM | BGRM |
| Crop Name | | | Kentucky bluegrass | Kentucky bluegrass | Kentucky bluegrass | Kentucky bluegrass |
| Rating Date | | | 16-7-2006 | 16-7-2006 | 16-7-2006 | 16-7-2006 |
| **Rating Data Type** | | | **YIELD** | **MOIST CONTENT** | **WEIGHT LOSS** | **CORR. YIELD** |
| **Rating Unit** | | | **KG** | **%** | **%** | **KG/HA** |
| Sample Size | | | 1 | | | 1 |
| Sample Size Unit | | | plot | | | plot |
| ARM Action Codes | | | + | | + | T11 |
| Number of Decimals | | | 2 | 1 | 2 | 1 |
| No. | Name | Plot | | | | |
| 1 | **Baron** | 103 | 4,83 | 11,3 | 29,64 | 1443,7 |
| | | 201 | 5,08 | | | 1518,4 |
| | | 303 | 5,09 | | | 1521,4 |
| | | 401 | 4,97 | | | 1485,5 |
| | | 503 | 5,18 | | | 1548,3 |
| | | **Mean =** | **5,03** | **11,3** | **29,64** | **1503,4** |
| 2 | **Bariris** | 102 | 5,18 | 11,8 | 39,05 | 1333,6 |
| | | 203 | 5,28 | | | 1359,4 |
| | | 302 | 4,74 | | | 1220,4 |
| | | 403 | 5,19 | | | 1336,2 |
| | | 502 | 4,84 | | | 1246,1 |
| | | **Mean =** | **5,05** | **11,8** | **39,05** | **1299,1** |
| 3 | **Barimpala** | 101 | 5,24 | 10,7 | 33,86 | 1482,2 |
| | | 202 | 5,30 | | | 1499,2 |
| | | 301 | 5,39 | | | 1524,7 |
| | | 402 | 5,26 | | | 1487,9 |
| | | 501 | 5,29 | | | 1496,4 |
| | | **Mean =** | **5,30** | **10,7** | **33,86** | **1498,1** |

ARM Action Codes
T11 = [C9]-([C9]*@MVAVGREP([C8])/100)

## 2.4.1 AOV Means Table

In the following table results from analysis of variance is given. Analysis was done by Student-Newman-Keuls test where different letters indicate statistical significant difference at 95% level.

Study Director: Morten Lind
Location: Kløvested ***Poa pratensis* (Engrapgræs)**

| Crop Code | POAPR | POAPR | POAPR | POAPR |
|---|---|---|---|---|
| BBCH Scale | BGRM | BGRM | BGRM | BGRM |
| Crop Name | Kentucky bluegrass | Kentucky bluegrass | Kentucky bluegrass | Kentucky bluegrass |
| Rating Date | 16-7-2006 | 16-7-2006 | 16-7-2006 | 16-7-2006 |
| **Rating Data Type** | **YIELD** | **MOIST CONTENT** | **WEIGHT LOSS** | **CORR. YIELD** |
| **Rating Unit** | **KG** | **%** | **%** | **KG/HA** |
| Sample Size | 1 | | | 1 |
| Sample Size Unit | plot | | | plot |
| ARM Action Codes | + | | + | T11 |
| Number of Decimals | 2 | 1 | 2 | 1 |
| Entry No. Name | | | | |
| **1 Baron** | 5,03 a | 11,3 | 29,64 | **1503,4 a** |
| **2 Bariris** | 5,05 a | 11,8 | 39,05 | **1299,1 b** |
| **3 Barimpala** | 5,30 a | 10,7 | 33,86 | **1498,1 a** |
| **LSD (P=.05)** | 0,269 | . | . | **72,51** |
| Standard Deviation | 0,185 | . | . | 49,72 |
| CV | 3,6 | . | . | 3,47 |
| Bartlett's X2 | 6,172 | . | . | 5,31 |
| P(Bartlett's X2) | 0,046* | . | . | 0,07 |
| Replicate F | 0,311 | | | 0,299 |
| Replicate Prob(F) | 0,8631 | | | 0,8708 |
| Treatment F | 3,264 | | | 27,418 |
| Treatment Prob(F) | 0,0920 | | | 0,0003 |

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

ARM Action Codes
T11 = [C9]-([C9]*@MVAVGREP([C8])/100)

# 3. Trial 2004.542.00 *Festuca rubra* (Rødsvingel)

## *3.1 Varieties*

| No. | Name |
|---|---|
| 1 | Bargena |
| 2 | Out of testning |
| 3 | Barthema |
| 4 | Barustic |

## *3.2 Plot map*

| Rep | 1 | | 1 | | 1 | | 1 | | 2 | | 2 | | 2 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 101 | 4 | 102 | 3 | 103 | 1 | 104 | 2 | 105 | 2 | 106 | 4 | 107 | 3 |
| | 201 | 1 | 202 | 3 | 203 | 2 | 204 | 4 | 205 | 2 | 206 | 1 | 207 | 4 |
| | 301 | 1 | 302 | 2 | 303 | 3 | 304 | 4 | 305 | 3 | 306 | 1 | 307 | 4 |

Additional map section below is at right of previous section.

| Rep | 2 |
|---|---|
| 108 | 1 |
| 208 | 3 |
| 308 | 2 |

## *3.3 Site description*

Basic information for trial 2004.542.00 *Festuca rubra* (Rødsvingel)

| | | | |
|---|---|---|---|
| **Trial host** | Kloevested<br>LandboCentrum | | |
| **Soil analysis** | Coarsesand: 20,2 %<br>Silt: 13,8 %<br>Humus: 2,8 %<br>Finesand: 47,9 %<br>Clay: 15,3 % | Rt: 6,1<br>Pt: 2,5<br>Kt: 9,8<br>Mgt: 8,7 | |
| **Previous crop** | Spring Barley | | |
| **Drilling date** | 16-04-2004 | **Seed rate** | 5 kg/ha |
| **Fertilizer** date | 05-10-2005 | 21-03-2006 | |
| type | NS 27-4 | NitroStar | |
| rate | 70 N | 45N | |
| **Herbicides and Fungicides** | 04-05-2006 0.1 Primus + 0.05 Diflufenican<br>20-05-2006 1.0 MCPA+0,4 Moddus+1,5 CCC+0,25 Zenit+ 0,15 Amistar | | |

## *3.4 Results*

Harvest conditions were fine. Lodging was suitable for red fescue harvest. The trial was harvested on the 20th of July.

In the following table results from harvest and seed analysis is given. Variety no. 2 was withdrawn by Barenbrug from testing.

Study Director: Morten Lind
Location: Kløvested ***Festuca rubra* (Rødsvingel)**

| | | | | | | |
|---|---|---|---|---|---|---|
| Crop Code | | FESRU | FESRU | FESRU | FESRU |
| BBCH Scale | | BGRM | BGRM | BGRM | BGRM |
| Crop Name | | Red fescue | Red fescue | Red fescue | Red fescue |
| Rating Date | | 16-7-2006 | 16-7-2006 | 16-7-2006 | 16-7-2006 |
| **Rating Data Type** | | **YIELD** | **WEIGHT LOSS** | **MOIST CONTENT** | **CORR. YIELD** |
| **Rating Unit** | | **KG** | **%** | **%** | **KG/HA** |
| Sample Size | | 1 | 1 | 1 | |
| Sample Size Unit | | plot | BGRM | | |
| ARM Action Codes | | + | + | | T11 |
| Number of Decimals | | 2 | 2 | | 1 |
| No. | Name | Plot | | | | |
| 1 | **Bargena** | 103 | 6,72 | 41,11 | 9,30 | 1719,0 |
| | | 108 | 6,68 | | | 1708,8 |
| | | 201 | 7,20 | | | 1841,8 |
| | | 206 | 7,00 | | | 1790,7 |
| | | 301 | 7,34 | | | 1877,6 |
| | | 306 | 6,83 | | | 1747,2 |
| | | **Mean =** | **6,96** | **41,11** | **9,30** | **1780,9** |
| 2 | **Out of testing** | 104 | | | | |
| | | 105 | | | | |
| | | 203 | | | | |
| | | 205 | | | | |
| | | 302 | | | | |
| | | 308 | | | | |
| | | **Mean =** | | | | |
| 3 | **Barthema** | 102 | 5,47 | 38,74 | 11,40 | 1421,9 |
| | | 107 | 5,61 | | | 1458,3 |
| | | 202 | 5,88 | | | 1528,5 |
| | | 208 | 5,66 | | | 1471,3 |
| | | 303 | 5,67 | | | 1473,9 |
| | | 305 | 5,54 | | | 1440,1 |
| | | **Mean =** | **5,64** | **38,74** | **11,40** | **1465,7** |
| 4 | **Barustic** | 101 | 7,72 | 32,37 | 8,80 | 2280,5 |
| | | 106 | 6,55 | | | 1934,8 |
| | | 204 | 7,00 | | | 2067,8 |
| | | 207 | 6,71 | | | 1982,1 |
| | | 304 | 7,41 | | | 2188,9 |
| | | 307 | 7,45 | | | 2200,7 |
| | | **Mean =** | **7,14** | **32,37** | **8,80** | **2109,1** |

ARM Action Codes
T11 = [C9]-([C9]*@MVAVGREP([C7])/100)

### 3.4.1 AOV Means Table

In the following table results from analysis of variance is given. Analysis was done by Student-Newman-Keuls test where different letters indicate statistical significant difference at 95% level.

Study Director: Morten Lind
Location: Kløvested ***Festuca rubra* (Rødsvingel)**

| | | | | |
|---|---|---|---|---|
| Crop Code | FESRU | FESRU | FESRU | FESRU |
| BBCH Scale | BGRM | BGRM | BGRM | BGRM |
| Crop Name | Red fescue | Red fescue | Red fescue | Red fescue |
| Rating Date | 16-7-2006 | 16-7-2006 | 16-7-2006 | 16-7-2006 |
| **Rating Data Type** | **YIELD** | **WEIGHT LOSS** | **MOIST CONTENT** | **CORR. YIELD** |
| **Rating Unit** | **KG** | **%** | **%** | **KG/HA** |
| Sample Size | 1 | 1 | 1 | |
| ARM Action Codes | + | + | | T11 |
| Number of Decimals | 2 | 2 | | 1 |
| No. Name | | | | |
| 1 **Bargena** | 6,96 a | 41,11 | 9,30 | **1780,9 b** |
| 2 **Out of testing** | | | | |
| 3 **Barthema** | 5,64 b | 38,74 | 11,40 | **1465,7 c** |
| 4 **Barustic** | 7,14 a | 32,37 | 8,80 | **2109,1 a** |
| **LSD (P=.05)** | 0,405 | . | . | **115,96** |
| Standard Deviation | 0,315 | . | . | 90,15 |
| CV | 4,79 | . | . | 5,05 |
| Bartlett's X2 | 5,841 | . | . | 7,324 |
| P(Bartlett's X2) | 0,054 | . | . | 0,026* |
| Replicate F | 1,047 | | | 1,010 |
| Replicate Prob(F) | 0,4423 | | | 0,4602 |
| Treatment F | 40,656 | | | 76,430 |
| Treatment Prob(F) | 0,0001 | | | 0,0001 |

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
Treatment 2 excluded from analysis.

ARM Action Codes
T11 = [C9]-([C9]*@MVAVGREP([C7])/100)

# 4. Trial 2004.543.00 *Lolium perenne* (Rajgræs)

## *4.1 Varieties*

| No. | Name |
|---|---|
| 1 | Bareuro |
| 2 | Bardorado |
| 3 | Bardoria |
| 4 | Bartwingo |
| 5 | 2-3013 |

## *4.2 Plot map*

| **Rep** | 1 | | 1 | | 1 | | 1 | | 1 | | 2 | | 2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 101 | 2 | 102 | 3 | 103 | 4 | 104 | 1 | 105 | 5 | 106 | 5 | 107 | 4 |
| | 201 | 4 | 202 | 2 | 203 | 5 | 204 | 1 | 205 | 3 | 206 | 1 | 207 | 5 |
| | 301 | 3 | 302 | 2 | 303 | 1 | 304 | 5 | 305 | 4 | 306 | 5 | 307 | 3 |

Additional map section below is at right of previous section.

| **Rep** | 2 | | 2 | | 2 |
|---|---|---|---|---|---|
| | 108 | 2 | 109 | 3 | 110 | 1 |
| | 208 | 2 | 209 | 3 | 210 | 4 |
| | 308 | 2 | 309 | 4 | 310 | 1 |

## *4.3 Site description*

Basic information for trial 2004.543.00 *Lolium perenne* (Rajgræs)

| | | | |
|---|---|---|---|
| **Trial host** | Kloevested<br>LandboCentrum | | |
| **Soil analysis** | Coarsesand: 20,2 %<br>Silt: 13,8 %<br>Humus: 2,8 %<br>Finesand: 47,9 %<br>Clay: 15,3 % | Rt: 6,1<br>Pt: 2,5<br>Kt: 9,8<br>Mgt: 8,7 | |
| **Previous crop** | Spring Barley | | |
| **Drilling date** | 16-04-2004 | **Seed rate** | 8 kg/ha |
| **Fertilizer** date<br>type<br>rate | 05-10-2005<br>NS 27-4<br>60 N | | 21-03-2006<br>NitroStar<br>120 N |
| **Herbicides and Fungicides** | 04-05-2006 0.1 Primus + 0.05 Diflufenican<br>20-05-2006 1.0 MCPA+0,4 Moddus+1,5 CCC+0,25 Zenit+ 0,15 Amistar | | |

## *4.4 Results*

Due to unfavourable weather conditions harvest was delayed. At harvest there was close to full lodging in all plots and it made harvest difficult. The trial was harvested at 27th of July.
In the following table results from harvest and seed analysis is given.

Study Director: Morten Lind
Location: Kløvested ***Lolium perenne* (Rajgræs)**

| | | | | | | |
|---|---|---|---|---|---|---|
| Crop Code | | | LOLPE | LOLPE | LOLPE | LOLPE |
| BBCH Scale | | | BGRM | BGRM | BGRM | BGRM |
| Crop Name | | | Ryegrass, perennial | Ryegrass, perennial | Ryegrass, perennial | Ryegrass, perennial |
| Rating Date | | | 27-7-2006 | 27-7-2006 | 27-7-2006 | 27-7-2006 |
| **Rating Data Type** | | | **YIELD** | **WEIGHT LOSS** | **MOIST CONTENT** | **CORR. YIELD** |
| **Rating Unit** | | | **KG** | **%** | **%** | **KG/HA** |
| Sample Size | | | 1 | 1 | 1 | 1 |
| Sample Size Unit | | | plot | BGRM | | plot |
| ARM Action Codes | | | + | + | | T16 |
| Number of Decimals | | | 2 | 2 | 1 | 1 |
| No. | Name | Plot | | | | |
| 1 | **Bareuro** | 104 | 3,42 | 25,94 | 18,4 | 989,9 |
| | | 110 | 3,72 | | | 1076,7 |
| | | 204 | 3,35 | | | 969,6 |
| | | 206 | 3,28 | | | 949,3 |
| | | 303 | 3,47 | | | 1004,3 |
| | | 310 | 3,76 | | | 1088,3 |
| | | **Mean =** | **3,50** | **25,94** | **18,4** | **1013,0** |
| 2 | **Bardorado** | 101 | 4,34 | 27,42 | 14,0 | 1297,4 |
| | | 108 | 3,76 | | | 1124,0 |
| | | 202 | 4,08 | | | 1219,7 |
| | | 208 | 4,26 | | | 1273,5 |
| | | 302 | 3,93 | | | 1174,8 |
| | | 308 | 4,07 | | | 1216,7 |
| | | **Mean =** | **4,07** | **27,42** | **14,0** | **1217,7** |
| 3 | **Bardoria** | 102 | 4,07 | 28,45 | 19,0 | 1129,7 |
| | | 109 | 3,92 | | | 1088,1 |
| | | 205 | 3,85 | | | 1068,6 |
| | | 209 | 4,12 | | | 1143,6 |
| | | 301 | 3,92 | | | 1088,1 |
| | | 307 | 4,31 | | | 1196,3 |
| | | **Mean =** | **4,03** | **28,45** | **19,0** | **1119,0** |
| 4 | **Bartwingo** | 103 | 3,62 | 23,12 | 14,9 | 1134,3 |
| | | 107 | 3,78 | | | 1184,4 |
| | | 201 | 4,24 | | | 1328,6 |
| | | 210 | 4,53 | | | 1419,4 |
| | | 305 | 4,43 | | | 1388,1 |
| | | 309 | 4,52 | | | 1416,3 |
| | | **Mean =** | **4,19** | **23,12** | **14,9** | **1311,8** |
| 5 | **2-3013** | 105 | 5,22 | 25,22 | 13,6 | 1615,2 |
| | | 106 | 4,70 | | | 1454,3 |
| | | 203 | 4,69 | | | 1451,2 |
| | | 207 | 4,82 | | | 1491,5 |
| | | 304 | 4,31 | | | 1333,7 |
| | | 306 | 4,54 | | | 1404,8 |
| | | **Mean =** | **4,71** | **25,22** | **13,6** | **1458,5** |

### *4.4.1 AOV Means Table*

In the following table results from analysis of variance is given. Analysis was done by Student-Newman-Keuls test where different letters indicate statistical significant difference at 95% level.

Study Director: Morten Lind
Location: Kløvested ***Lolium perenne* (Rajgræs)**

| | | | | |
|---|---|---|---|---|
| Crop Code | LOLPE | LOLPE | LOLPE | LOLPE |
| BBCH Scale | BGRM | BGRM | BGRM | BGRM |
| Crop Name | Ryegrass, perennial | Ryegrass, perennial | Ryegrass, perennial | Ryegrass, perennial |
| Rating Date | 27-7-2006 | 27-7-2006 | 27-7-2006 | 27-7-2006 |
| **Rating Data Type** | **YIELD** | **WEIGHT LOSS** | **MOIST CONTENT** | **CORR. YIELD** |
| **Rating Unit** | **KG** | **%** | **%** | **KG/HA** |
| Sample Size | 1 | 1 | 1 | 1 |
| Sample Size Unit | plot | BGRM | | plot |
| ARM Action Codes | + | + | | T16 |
| Number of Decimals | 2 | 2 | 1 | 1 |
| No. Name | 12 | 13 | 14 | 16 |
| 1 **Bareuro** | 3,50 c | 25,94 | 18,4 | **1013,0 d** |
| 2 **Bardorado** | 4,07 b | 27,42 | 14,0 | **1217,7 bc** |
| 3 **Bardoria** | 4,03 b | 28,45 | 19,0 | **1119,0 c** |
| 4 **Bartwingo** | 4,19 b | 23,12 | 14,9 | **1311,8 b** |
| 5 **2-3013** | 4,71 a | 25,22 | 13,6 | **1458,5 a** |
| **LSD (P=.05)** | 0,331 | . | . | **101,57** |
| Standard Deviation | 0,275 | . | . | 84,34 |
| CV | 6,71 | . | . | 6,89 |
| Bartlett's X2 | 4,647 | . | . | 5,872 |
| P(Bartlett's X2) | 0,325 | . | . | 0,209 |
| Replicate F | 0,761 | | | 0,725 |
| Replicate Prob(F) | 0,5881 | | | 0,6127 |
| Treatment F | 14,839 | | | 24,942 |
| Treatment Prob(F) | 0,0001 | | | 0,0001 |

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

ARM Action Codes
T16 = [C15]-([C15]*@MVAVGREP([C13])/100)

# 5. Trial 2004.544.00 *Dactylis glomerata* (Hundegræs)

## *5.1 Varieties*

| No. | Name |
|---|---|
| 1 | Baraula |
| 2 | Baridana |
| 3 | Intensiv |

## *5.2 Plot map*

| Rep | 1 | | 2 | | 3 | | 4 | | 5 | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 101 | 2 | 201 | 3 | 301 | 2 | 401 | 3 | 501 | 1 |
| | 102 | 3 | 202 | 1 | 302 | 3 | 402 | 1 | 502 | 2 |
| | 103 | 1 | 203 | 2 | 303 | 1 | 403 | 2 | 503 | 3 |

## *5.3 Site description*

Basic information for trial 2004.544.00 *Dactylis glomerata* (Hundegræs)

| | | | |
|---|---|---|---|
| **Trial host** | Kloevested<br>LandboCentrum | | |
| **Soil analysis** | Coarsesand: 20,2 %<br>Silt: 13,8 %<br>Humus: 2,8 %<br>Finesand: 47,9 %<br>Clay: 15,3 % | Rt: 6,1<br>Pt: 2,5<br>Kt: 9,8<br>Mgt: 8,7 | |
| **Previous crop** | Spring Barley | | |
| **Drilling date** | 16-04-2004 | **Seed rate** | 5 kg/ha |
| **Fertilizer** date<br>type<br>rate | 05-10-2005<br>NS 27-4<br>60 N | | 21-03-2006<br>NitroStar<br>120 N |
| **Herbicides and Fungicides** | 04-05-2006 0.1 Primus + 0.05 Diflufenican<br>20-05-2006 1.0 MCPA+0,4 Moddus+1,5 CCC+0,25 Zenit+ 0,15 Amistar | | |

## *5.4 Results*

To ensure full maturity at harvest all plots were swathed at the 11th of July. The trial was harvested at 25th of July under fine conditions.

In the following table results from harvest and seed analysis is given.

Study Director: Morten Lind
Location: Kløvested ***Dactylis glomerata* (Hundegræs)**

| | | | | | |
|---|---|---|---|---|---|
| Crop Code | | DACGL | DACGL | DACGL | DACGL |
| BBCH Scale | | BGRM | BGRM | BGRM | BGRM |
| Crop Name | | Orchard grass | Orchard grass | Orchard grass | Orchard grass |
| Rating Date | | 25-7-2006 | 25-7-2006 | 25-7-2006 | 25-7-2006 |
| **Rating Data Type** | | **YIELD** | **MOIST CONTENT** | **WEIGHT LOSS** | **CORR. YIELD** |
| **Rating Unit** | | **KG** | **%** | **%** | **KG/HA** |
| Sample Size | | 1 | 1 | 1 | |
| Sample Size Unit | | plot | | | |
| ARM Action Codes | | + | | | T9 |
| Number of Decimals | | 2 | 1 | 2 | 1 |
| No. | Name | Plot | | | | |
| 1 | **Baraula** | 103 | 5,69 | 6,0 | 12,07 | 1453,2 |
| | | 202 | 6,40 | | | 1634,5 |
| | | 303 | 6,03 | | | 1540,0 |
| | | 402 | 6,36 | | | 1624,3 |
| | | 501 | 5,49 | | | 1402,1 |
| | | **Mean =** | **5,99** | **6,0** | **12,07** | **1530,8** |
| 2 | **Baridana** | 101 | 5,37 | 5,0 | 13,36 | 1365,7 |
| | | 203 | 4,94 | | | 1256,3 |
| | | 301 | 5,76 | | | 1464,9 |
| | | 403 | 5,16 | | | 1312,3 |
| | | 502 | 5,40 | | | 1373,3 |
| | | **Mean =** | **5,33** | **5,0** | **13,36** | **1354,5** |
| 3 | **Intensiv** | 102 | 5,69 | 5,9 | 13,12 | 1437,3 |
| | | 201 | 5,25 | | | 1326,2 |
| | | 302 | 5,61 | | | 1417,1 |
| | | 401 | 5,53 | | | 1396,9 |
| | | 503 | 5,02 | | | 1268,1 |
| | | **Mean =** | **5,42** | **5,9** | **13,12** | **1369,1** |

ARM Action Codes
T9 = [C9]-([C9]*@MVAVGREP([C8])/100)

### *5.4.1 AOV Means Table*

In the following table results from analysis of variance is given. Analysis was done by Student-Newman-Keuls test where different letters indicate statistical significant difference at 95% level.

Study Director: Morten Lind
ocation: Kløvested ***Dactylis glomerata* (Hundegræs)**

| Crop Code | DACGL | DACGL | DACGL | DACGL |
|---|---|---|---|---|
| BBCH Scale | BGRM | BGRM | BGRM | BGRM |
| Crop Name | Orchard grass | Orchard grass | Orchard grass | Orchard grass |
| Rating Date | 25-7-2006 | 25-7-2006 | 25-7-2006 | 25-7-2006 |
| **Rating Data Type** | **YIELD** | **MOIST CONTENT** | **WEIGHT LOSS** | **CORR. YIELD** |
| **Rating Unit** | **KG** | **%** | **%** | **KG/HA** |
| Sample Size | 1 | 1 | 1 | |
| Sample Size Unit | plot | | | |
| ARM Action Codes | + | | | T9 |
| Number of Decimals | 2 | 1 | 2 | 1 |
| No. Name | | | | |
| 1 **Baraula** | 5,99 a | 6,0 | 12,07 | **1530,8 a** |
| 2 **Baridana** | 5,33 b | 5,0 | 13,36 | **1354,5 b** |
| 3 **Intensiv** | 5,42 b | 5,9 | 13,12 | **1369,1 b** |
| **LSD (P=.05)** | 0,493 | . | . | **125,56** |
| Standard Deviation | 0,338 | . | . | 86,09 |
| CV | 6,06 | . | . | 6,07 |
| Bartlett's X2 | 0,568 | . | . | 0,598 |
| P(Bartlett's X2) | 0,753 | . | . | 0,742 |
| Replicate F | 0,907 | | | 0,902 |
| Replicate Prob(F) | 0,5039 | | | 0,5061 |
| Treatment F | 5,720 | | | 6,457 |
| Treatment Prob(F) | 0,0287 | | | 0,0214 |

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

ARM Action Codes
T9 = [C9]-([C9]*@MVAVGREP([C8])/100)

# 6. Trial comments

Weather conditions for production of grass for seed in Denmark, 2005-2006
Generally autumn was warm and sunny with less than normal precipitation and grasses continued growing longer than normal. Compared to normal, winter was rather cold with average temperatures around 0 ºC. Spring was generally cold and growth started late. April and start of May was dry but the rain came at the right moment. June and July gave fine conditions for flowering and harvest. All together, conditions were favourable for grass for seed production.

*Poa pratensis* (Engrapgræs)
Differences between varieties in yield were from (average) 1299-1503 kg/ha, with Bariris as lowest yielding and Baron as highest yielding.

Baron and Barimpala yielded statistical significant more compared to Bariris.

*Festuca rubra* (Rødsvingel)
Differences between varieties in yield were from (average) 1466-2109 kg/ha, with Barthema as lowest yielding and Barustic as highest yielding. Differences in yield were statistical significant between all 3 varieties tested.

*Lolium perenne* (Rajgræs)
Differences between varieties in yield were from (average) 1013-1459 kg/ha, with Bareuro as lowest yielding and 2-3013 as highest yielding.

Variety 2-3013 yielded significantly more and Bareuro significantly less than all other varieties. Bartwingo yielded significantly more than Bardoria. Between Bardorado, Bardoria and Bartwingo there was no statistical significant difference in yield.

*Dactylis glomerata* (Hundegræs)
Differences between varieties in yield were from (average) 1355-1531 kg/ha, with Baridana as lowest yielding and Baraula as highest yielding.

Between varieties Baraula yielded significantly more than the two other varieties tested. There were no significant differences between Intensive and Baridana in yield.

Yield in the trials compared to predicted average yields in Denmark 2006

In the table below average yields from Barenbrug varieties in LandboCentrum trials is compared to average predicted yields in Denmark 2006.

| Species | Average yields Barenbrug species (kg/ha)* | Predicted average yields in Denmark (kg/ha) ** | Average yields in Denmark relative over 5 years ** |
|---|---|---|---|
| *Poa pratensis* (Engrapgræs) | 1433 | 967 | 107 |
| *Festuca rubra* (Rødsvingel) | 1785 | 1304 | 97 |
| *Lolium perenne* (Rajgræs) | 1224 | 1361 | 113 |
| *Dactylis glomerata* (Hundegræs) | 1418 | 1193 | 116 |

* Data from LandboCentrum Barenbrug trials 2006
** Data from: Tidsskrift for Frøavl Oktober – November 2006 nr. 2.

# 7. Appendix – Climate data

| Date | Temp | Min Temp | Max Temp | Precipitation | Evaporation | Radiation |
|---|---|---|---|---|---|---|
| 01.08.2005 | 16.8 | 14.7 | 20.7 | 1.5 | 2.8 | 15.3 |
| 02.08.2005 | 15.5 | 13.6 | 17.0 | 0.0 | 1.5 | 8.2 |
| 03.08.2005 | 16.7 | 14.2 | 19.3 | 2.6 | 3.2 | 17.4 |
| 04.08.2005 | 14.8 | 11.5 | 17.8 | 3.5 | 3.0 | 17.2 |
| 05.08.2005 | 14.2 | 10.9 | 16.9 | 13.0 | 1.9 | 11.0 |
| 06.08.2005 | 13.8 | 10.6 | 17.2 | 3.1 | 3.2 | 18.4 |
| 07.08.2005 | 12.9 | 9.0 | 16.3 | 7.4 | 2.7 | 16.0 |
| 08.08.2005 | 14.0 | 9.8 | 17.6 | 1.0 | 3.1 | 18.3 |
| 09.08.2005 | 16.6 | 14.3 | 19.2 | 0.1 | 3.6 | 20.0 |
| 10.08.2005 | 16.1 | 14.8 | 19.2 | 0.8 | 1.3 | 7.4 |
| 11.08.2005 | 14.7 | 13.3 | 16.4 | 0.3 | 0.9 | 5.1 |
| 12.08.2005 | 14.6 | 12.7 | 16.6 | 0.6 | 1.8 | 10.6 |
| 13.08.2005 | 13.4 | 9.1 | 16.6 | 0.2 | 2.0 | 12.0 |
| 14.08.2005 | 14.9 | 10.5 | 19.1 | 0.1 | 2.6 | 14.8 |
| 15.08.2005 | 16.7 | 11.2 | 21.4 | 0.7 | 3.5 | 19.0 |
| 16.08.2005 | 14.7 | 9.5 | 18.4 | 0.0 | 2.3 | 13.0 |
| 17.08.2005 | 15.3 | 9.7 | 20.5 | 0.0 | 3.9 | 22.1 |
| 18.08.2005 | 16.7 | 12.6 | 21.7 | 0.0 | 2.7 | 14.7 |
| 19.08.2005 | 18.2 | 15.1 | 22.1 | 0.0 | 4.0 | 21.1 |
| 20.08.2005 | 20.0 | 16.8 | 24.4 | 0.0 | 3.8 | 19.4 |
| 21.08.2005 | 19.8 | 14.6 | 25.2 | 0.0 | 3.6 | 18.8 |
| 22.08.2005 | 17.9 | 14.1 | 22.2 | 0.0 | 3.7 | 20.0 |
| 23.08.2005 | 17.0 | 13.8 | 20.9 | 0.1 | 2.5 | 13.9 |
| 24.08.2005 | 15.8 | 12.6 | 18.8 | 0.1 | 1.9 | 10.8 |
| 25.08.2005 | 14.2 | 12.1 | 15.6 | 10.1 | 0.6 | 3.6 |
| 26.08.2005 | 13.5 | 10.6 | 16.3 | 2.0 | 2.9 | 16.9 |
| 27.08.2005 | 15.2 | 12.5 | 17.6 | 0.5 | 3.0 | 16.8 |
| 28.08.2005 | 16.6 | 14.5 | 18.4 | 0.5 | 2.1 | 11.6 |
| 29.08.2005 | 18.3 | 11.7 | 22.3 | 0.0 | 3.6 | 19.2 |
| 30.08.2005 | 14.4 | 9.1 | 19.7 | 0.0 | 2.3 | 13.1 |
| 31.08.2005 | 15.8 | 13.4 | 19.1 | 0.0 | 2.3 | 13.0 |
| 01.09.2005 | 17.8 | 15.8 | 20.9 | 0.1 | 2.4 | 12.8 |
| 02.09.2005 | 15.8 | 10.4 | 18.0 | 3.0 | 0.9 | 5.2 |
| 03.09.2005 | 13.5 | 8.9 | 18.7 | 0.0 | 2.1 | 12.5 |
| 04.09.2005 | 13.7 | 8.5 | 19.5 | 0.2 | 2.5 | 14.6 |
| 05.09.2005 | 16.1 | 10.4 | 22.0 | 0.0 | 3.1 | 17.0 |
| 06.09.2005 | 18.2 | 13.8 | 23.7 | 0.0 | 2.3 | 12.1 |
| 07.09.2005 | 20.0 | 15.7 | 24.7 | 0.0 | 2.8 | 14.3 |
| 08.09.2005 | 18.3 | 13.6 | 23.3 | 0.0 | 3.1 | 16.7 |
| 09.09.2005 | 16.0 | 13.0 | 19.9 | 1.4 | 1.9 | 10.8 |
| 10.09.2005 | 16.1 | 13.1 | 19.8 | 0.0 | 2.4 | 13.3 |
| 11.09.2005 | 14.7 | 10.2 | 18.2 | 0.2 | 1.5 | 8.5 |
| 12.09.2005 | 14.1 | 9.7 | 17.6 | 0.0 | 2.4 | 13.9 |
| 13.09.2005 | 14.8 | 11.0 | 18.5 | 0.0 | 2.5 | 14.5 |
| 14.09.2005 | 15.6 | 13.4 | 18.4 | 0.3 | 1.4 | 7.7 |
| 15.09.2005 | 12.0 | 7.3 | 15.5 | 0.7 | 1.3 | 7.8 |
| 16.09.2005 | 10.1 | 5.9 | 14.3 | 0.6 | 1.7 | 10.7 |
| 17.09.2005 | 9.6 | 5.9 | 14.5 | 0.0 | 2.0 | 13.1 |
| 18.09.2005 | 13.0 | 9.4 | 14.2 | 0.1 | 0.7 | 3.9 |
| 19.09.2005 | 14.8 | 13.4 | 16.7 | 0.0 | 0.8 | 4.6 |
| 20.09.2005 | 14.4 | 11.6 | 17.9 | 0.0 | 1.4 | 8.3 |

| Date | Temp | Min Temp | Max Temp | Precipitation | Evaporation | Radiation |
|---|---|---|---|---|---|---|
| 21.09.2005 | 13.3 | 8.6 | 16.6 | 0.0 | 0.7 | 4.3 |
| 22.09.2005 | 13.5 | 10.7 | 17.2 | 0.0 | 1.4 | 7.9 |
| 23.09.2005 | 15.1 | 12.1 | 18.6 | 0.0 | 2.5 | 13.9 |
| 24.09.2005 | 15.4 | 12.4 | 20.4 | 0.0 | 2.0 | 11.1 |
| 25.09.2005 | 16.1 | 13.2 | 20.3 | 0.3 | 2.2 | 12.3 |
| 26.09.2005 | 14.4 | 11.6 | 19.0 | 0.4 | 1.2 | 7.2 |
| 27.09.2005 | 14.2 | 12.1 | 15.9 | 3.5 | 0.9 | 5.3 |
| 28.09.2005 | 11.6 | 7.4 | 15.1 | 1.3 | 1.1 | 7.0 |
| 29.09.2005 | 10.7 | 8.1 | 14.2 | 4.9 | 1.2 | 7.4 |
| 30.09.2005 | 11.8 | 9.7 | 13.9 | 0.0 | 1.5 | 9.2 |
| 01.10.2005 | 11.6 | 9.1 | 13.1 | 10.9 | 0.4 | 2.7 |
| 02.10.2005 | 10.6 | 6.6 | 15.4 | 3.3 | 1.5 | 9.2 |
| 03.10.2005 | 10.7 | 6.1 | 14.8 | 0.0 | 1.7 | 10.8 |
| 04.10.2005 | 10.3 | 6.6 | 15.8 | 0.0 | 1.7 | 11.1 |
| 05.10.2005 | 11.1 | 7.5 | 14.8 | 0.1 | 1.4 | 8.9 |
| 06.10.2005 | 13.0 | 11.0 | 16.4 | 0.0 | 1.6 | 9.4 |
| 07.10.2005 | 14.0 | 11.9 | 17.0 | 0.0 | 1.8 | 10.6 |
| 08.10.2005 | 14.2 | 11.9 | 16.6 | 0.0 | 1.7 | 9.7 |
| 09.10.2005 | 11.5 | 7.7 | 15.1 | 0.0 | 0.8 | 5.1 |
| 10.10.2005 | 14.0 | 11.7 | 17.5 | 0.0 | 1.3 | 7.6 |
| 11.10.2005 | 13.9 | 11.8 | 17.0 | 0.0 | 1.8 | 10.2 |
| 12.10.2005 | 13.3 | 10.5 | 16.7 | 0.0 | 1.7 | 9.8 |
| 13.10.2005 | 11.7 | 7.6 | 16.5 | 0.0 | 1.5 | 9.4 |
| 14.10.2005 | 9.8 | 5.4 | 14.3 | 0.0 | 0.9 | 6.0 |
| 15.10.2005 | 7.9 | 3.3 | 13.2 | 0.0 | 1.5 | 10.0 |
| 16.10.2005 | 6.3 | 2.3 | 11.0 | 0.0 | 0.9 | 6.6 |
| 17.10.2005 | 6.7 | 2.7 | 9.6 | 0.0 | 0.7 | 4.6 |
| 18.10.2005 | 5.4 | 1.1 | 10.6 | 0.0 | 1.2 | 8.8 |
| 19.10.2005 | 8.9 | 1.5 | 11.9 | 0.0 | 1.3 | 8.9 |
| 20.10.2005 | 10.9 | 9.1 | 11.9 | 0.6 | 0.5 | 2.9 |
| 21.10.2005 | 12.1 | 10.1 | 13.2 | 9.1 | 0.8 | 5.1 |
| 22.10.2005 | 11.6 | 9.1 | 13.1 | 2.5 | 0.4 | 2.3 |
| 23.10.2005 | 7.9 | 4.6 | 10.5 | 2.8 | 0.9 | 6.1 |
| 24.10.2005 | 7.2 | 3.4 | 9.9 | 10.0 | 0.9 | 6.1 |
| 25.10.2005 | 12.0 | 10.8 | 13.4 | 18.3 | 0.1 | 0.7 |
| 26.10.2005 | 11.6 | 9.7 | 13.8 | 0.2 | 0.8 | 4.9 |
| 27.10.2005 | 11.7 | 9.6 | 12.4 | 0.4 | 0.3 | 1.9 |
| 28.10.2005 | 11.4 | 9.3 | 13.2 | 0.0 | 1.1 | 6.7 |
| 29.10.2005 | 10.3 | 8.8 | 12.2 | 0.0 | 0.9 | 5.9 |
| 30.10.2005 | 10.5 | 8.8 | 12.7 | 0.0 | 0.9 | 5.9 |
| 31.10.2005 | 10.4 | 8.0 | 13.3 | 0.0 | 1.0 | 6.2 |
| 01.11.2005 | 10.4 | 8.2 | 12.0 | 2.4 | 0.2 | 1.0 |
| 02.11.2005 | 10.5 | 9.1 | 11.2 | 8.4 | 0.6 | 3.7 |
| 03.11.2005 | 12.4 | 10.8 | 13.0 | 1.5 | 0.3 | 1.7 |
| 04.11.2005 | 12.4 | 11.4 | 13.8 | 1.3 | 0.4 | 2.5 |
| 05.11.2005 | 10.2 | 8.9 | 10.8 | 1.4 | 0.4 | 2.3 |
| 06.11.2005 | 9.4 | 8.1 | 10.5 | 1.1 | 0.3 | 1.8 |
| 07.11.2005 | 9.6 | 8.8 | 10.0 | 0.3 | 0.2 | 1.2 |
| 08.11.2005 | 9.4 | 8.5 | 10.5 | 0.0 | 0.4 | 2.5 |
| 09.11.2005 | 8.9 | 6.5 | 10.6 | 0.0 | 0.7 | 4.4 |
| 10.11.2005 | 9.6 | 6.2 | 10.8 | 0.3 | 0.6 | 3.7 |
| 11.11.2005 | 11.4 | 10.7 | 12.4 | 5.2 | 0.1 | 0.8 |
| 12.11.2005 | 9.3 | 7.5 | 10.5 | 0.3 | 0.1 | 0.8 |
| 13.11.2005 | 7.5 | 4.4 | 10.2 | 1.8 | 0.5 | 3.2 |
| 14.11.2005 | 8.4 | 5.4 | 9.4 | 5.4 | 0.5 | 3.4 |

| Date | Temp | Min Temp | Max Temp | Precipitation | Evaporation | Radiation |
|---|---|---|---|---|---|---|
| 15.11.2005 | 6.7 | 3.2 | 9.9 | 0.5 | 0.5 | 3.7 |
| 16.11.2005 | 1.7 | 0.0 | 4.3 | 1.3 | 0.4 | 3.7 |
| 17.11.2005 | 1.0 | -0.1 | 3.7 | 2.7 | 0.5 | 4.1 |
| 18.11.2005 | 0.6 | -1.4 | 3.2 | 1.0 | 0.5 | 3.9 |
| 19.11.2005 | 1.8 | -0.6 | 5.3 | 0.2 | 0.5 | 4.2 |
| 20.11.2005 | 2.2 | -1.0 | 6.2 | 1.5 | 0.5 | 4.0 |
| 21.11.2005 | -0.3 | -2.1 | 2.7 | 0.1 | 0.5 | 4.2 |
| 22.11.2005 | 2.2 | 0.6 | 2.8 | 0.7 | 0.1 | 0.9 |
| 23.11.2005 | 4.5 | 3.3 | 5.3 | 0.8 | 0.3 | 2.6 |
| 24.11.2005 | 4.2 | 2.4 | 5.1 | 1.9 | 0.1 | 0.4 |
| 25.11.2005 | 0.8 | 0.1 | 1.6 | 2.5 | 0.1 | 0.8 |
| 26.11.2005 | 0.1 | -1.2 | 2.1 | 0.1 | 0.4 | 3.2 |
| 27.11.2005 | 0.8 | -1.1 | 3.9 | 0.5 | 0.4 | 3.6 |
| 28.11.2005 | -1.1 | -2.8 | 0.8 | 0.0 | 0.2 | 1.5 |
| 29.11.2005 | 1.4 | 0.1 | 2.8 | 0.2 | 0.2 | 1.5 |
| 30.11.2005 | 1.5 | -0.9 | 4.1 | 0.0 | 0.3 | 2.9 |
| 01.12.2005 | 1.6 | 0.9 | 2.9 | 0.0 | 0.2 | 1.5 |
| 02.12.2005 | 1.6 | 1.4 | 2.1 | 0.0 | 0.2 | 1.3 |
| 03.12.2005 | 2.0 | 1.5 | 2.4 | 0.7 | 0.1 | 0.5 |
| 04.12.2005 | 3.6 | 2.5 | 4.7 | 0.2 | 0.1 | 0.4 |
| 05.12.2005 | 5.3 | 5.0 | 5.8 | 6.9 | 0.0 | 0.3 |
| 06.12.2005 | 5.1 | 4.6 | 5.7 | 0.2 | 0.1 | 0.8 |
| 07.12.2005 | 3.6 | 1.6 | 5.0 | 1.1 | 0.1 | 1.1 |
| 08.12.2005 | 2.3 | -0.3 | 4.0 | 0.8 | 0.1 | 1.2 |
| 09.12.2005 | -1.1 | -1.7 | 0.8 | 0.0 | 0.3 | 2.8 |
| 10.12.2005 | 3.0 | -0.3 | 6.5 | 0.4 | 0.1 | 0.9 |
| 11.12.2005 | 8.4 | 7.9 | 9.1 | 0.0 | 0.2 | 1.4 |
| 12.12.2005 | 3.7 | 1.3 | 6.9 | 0.0 | 0.3 | 2.5 |
| 13.12.2005 | 4.8 | 2.0 | 5.8 | 3.1 | 0.2 | 1.8 |
| 14.12.2005 | 5.7 | 4.2 | 7.2 | 1.0 | 0.1 | 1.0 |
| 15.12.2005 | 5.2 | 2.2 | 7.1 | 1.1 | 0.3 | 2.1 |
| 16.12.2005 | 0.0 | -2.4 | 1.4 | 1.2 | 0.1 | 1.0 |
| 17.12.2005 | -0.9 | -1.9 | 0.5 | 0.0 | 0.3 | 2.7 |
| 18.12.2005 | -2.3 | -6.3 | 1.1 | 0.0 | 0.3 | 2.7 |
| 19.12.2005 | 1.5 | -1.0 | 4.0 | 2.1 | 0.1 | 0.7 |
| 20.12.2005 | 2.0 | 0.1 | 4.6 | 3.1 | 0.2 | 1.6 |
| 21.12.2005 | 2.8 | -0.4 | 5.1 | 2.3 | 0.1 | 1.2 |
| 22.12.2005 | 3.9 | 2.8 | 5.8 | 0.2 | 0.3 | 2.2 |
| 23.12.2005 | 4.9 | 1.0 | 7.3 | 1.0 | 0.1 | 1.0 |
| 24.12.2005 | 4.1 | 0.1 | 7.3 | 0.2 | 0.1 | 0.6 |
| 25.12.2005 | 1.0 | -0.0 | 2.7 | 0.2 | 0.3 | 2.7 |
| 26.12.2005 | -0.4 | -1.3 | 0.2 | 1.5 | 0.1 | 1.2 |
| 27.12.2005 | -0.3 | -1.2 | 0.7 | 1.0 | 0.1 | 1.2 |
| 28.12.2005 | -1.8 | -2.5 | -1.2 | 2.4 | 0.1 | 1.1 |
| 29.12.2005 | -1.9 | -2.5 | -1.3 | 5.1 | 0.1 | 0.8 |
| 30.12.2005 | -0.5 | -1.6 | 0.5 | 0.5 | | |
| 31.12.2005 | -0.9 | -1.7 | 0.9 | 1.6 | 0.1 | 1.1 |
| 01.01.2006 | 1.7 | 0.9 | 2.3 | 1.5 | 0.1 | 0.9 |
| 02.01.2006 | -0.2 | -1.1 | 0.8 | 0.0 | 0.1 | 1.0 |
| 03.01.2006 | -1.3 | -2.1 | -0.2 | 0.0 | 0.1 | 1.2 |
| 04.01.2006 | 0.1 | -1.9 | 1.8 | 0.0 | 0.1 | 1.3 |
| 05.01.2006 | 0.9 | 0.2 | 1.8 | 0.0 | 0.0 | 0.4 |
| 06.01.2006 | 0.7 | 0.3 | 1.2 | 0.2 | 0.0 | 0.4 |
| 07.01.2006 | -0.2 | -0.5 | 0.4 | 0.0 | 0.0 | 0.4 |
| 08.01.2006 | -0.9 | -4.1 | 1.1 | 0.0 | 0.3 | 3.2 |

| Date | Temp | Min Temp | Max Temp | Precipitation | Evaporation | Radiation |
|---|---|---|---|---|---|---|
| 09.01.2006 | -2.2 | -4.3 | 0.8 | 0.0 | 0.3 | 3.2 |
| 10.01.2006 | 0.4 | -2.8 | 2.3 | 0.4 | 0.1 | 1.2 |
| 11.01.2006 | 2.7 | 2.2 | 3.6 | 0.9 | 0.1 | 0.9 |
| 12.01.2006 | 1.2 | 0.0 | 2.3 | 0.0 | 0.2 | 1.4 |
| 13.01.2006 | 0.0 | -0.3 | 0.5 | 0.0 | 0.1 | 1.2 |
| 14.01.2006 | -0.6 | -1.0 | -0.2 | 0.0 | 0.2 | 1.5 |
| 15.01.2006 | -1.5 | -2.9 | -0.3 | 0.0 | 0.3 | 2.4 |
| 16.01.2006 | -2.2 | -3.2 | -1.2 | 0.0 | 0.3 | 2.8 |
| 17.01.2006 | -1.0 | -2.1 | -0.3 | 1.8 | 0.3 | 2.9 |
| 18.01.2006 | -1.2 | -1.9 | -0.5 | 0.3 | 0.1 | 0.6 |
| 19.01.2006 | -2.3 | -3.1 | -1.7 | 3.5 | 0.1 | 1.0 |
| 20.01.2006 | -1.3 | -2.8 | 0.4 | 5.4 | 0.1 | 0.6 |
| 21.01.2006 | -3.7 | -7.0 | -0.2 | 0.5 | 0.1 | 1.4 |
| 22.01.2006 | -6.5 | -8.4 | -4.3 | 0.0 | 0.4 | 4.3 |
| 23.01.2006 | -7.3 | -8.5 | -5.7 | 0.3 | 0.3 | 4.1 |
| 24.01.2006 | -4.4 | -8.2 | -2.3 | 0.7 | 0.3 | 2.9 |
| 25.01.2006 | -1.2 | -2.6 | -0.4 | 1.2 | 0.2 | 1.7 |
| 26.01.2006 | -5.1 | -10.9 | -1.1 | 0.1 | 0.4 | 4.3 |
| 27.01.2006 | -5.3 | -7.8 | -1.8 | 0.1 | 0.3 | 3.4 |
| 28.01.2006 | -3.3 | -5.4 | -0.8 | 0.0 | 0.4 | 3.7 |
| 29.01.2006 | -3.2 | -5.6 | -1.3 | 0.0 | 0.2 | 2.3 |
| 30.01.2006 | -0.7 | -3.2 | 0.6 | 0.0 | 0.3 | 3.1 |
| 31.01.2006 | 0.3 | -1.6 | 2.5 | 0.0 | 0.6 | 5.1 |
| 01.02.2006 | 0.8 | -0.3 | 1.5 | 0.0 | 0.3 | 2.3 |
| 02.02.2006 | 0.9 | 0.6 | 1.3 | 0.0 | 0.3 | 2.4 |
| 03.02.2006 | -0.6 | -1.2 | -0.2 | 0.1 | 0.3 | 3.0 |
| 04.02.2006 | -4.8 | -7.8 | -2.3 | 0.4 | 0.5 | 5.9 |
| 05.02.2006 | -3.0 | -4.6 | -2.3 | 1.7 | 0.3 | 3.2 |
| 06.02.2006 | 0.8 | -2.2 | 4.2 | 10.2 | 0.2 | 1.7 |
| 07.02.2006 | 3.0 | 1.0 | 4.5 | 3.5 | 0.6 | 4.7 |
| 08.02.2006 | 2.1 | 0.5 | 3.4 | 2.4 | 0.2 | 2.0 |
| 09.02.2006 | 1.0 | 0.5 | 1.4 | 3.3 | 0.2 | 1.5 |
| 10.02.2006 | 0.8 | -0.8 | 2.6 | 0.0 | 0.4 | 3.7 |
| 11.02.2006 | -2.0 | -3.9 | 0.2 | 0.0 | 0.6 | 5.9 |
| 12.02.2006 | -1.3 | -4.2 | 0.9 | 0.1 | 0.6 | 5.7 |
| 13.02.2006 | 0.4 | -1.3 | 1.4 | 0.0 | 0.2 | 1.5 |
| 14.02.2006 | 0.5 | -2.5 | 3.1 | 0.1 | 0.8 | 6.9 |
| 15.02.2006 | 0.6 | -0.2 | 1.2 | 3.4 | 0.2 | 1.4 |
| 16.02.2006 | 0.9 | 0.3 | 1.5 | 2.5 | 0.2 | 1.6 |
| 17.02.2006 | 0.5 | 0.1 | 0.9 | 1.6 | 0.1 | 1.0 |
| 18.02.2006 | 1.8 | 1.0 | 2.9 | 1.2 | 0.2 | 1.7 |
| 19.02.2006 | 1.4 | 0.8 | 2.1 | 0.2 | 0.3 | 2.3 |
| 20.02.2006 | 1.7 | 1.1 | 2.4 | 0.1 | 0.3 | 2.3 |
| 21.02.2006 | 0.7 | -0.6 | 1.5 | 0.0 | 0.2 | 1.3 |
| 22.02.2006 | -0.5 | -1.2 | 0.1 | 0.5 | 0.6 | 5.6 |
| 23.02.2006 | 0.5 | -0.3 | 1.5 | 0.5 | 0.3 | 2.6 |
| 24.02.2006 | 0.4 | -0.9 | 1.8 | 0.0 | 0.9 | 7.9 |
| 25.02.2006 | -0.8 | -2.6 | 0.2 | 0.1 | 0.3 | 3.0 |
| 26.02.2006 | -1.8 | -3.6 | 0.8 | 0.0 | 0.7 | 6.5 |
| 27.02.2006 | -1.3 | -4.2 | 0.3 | 0.3 | 0.9 | 8.8 |
| 28.02.2006 | -0.4 | -1.6 | 0.3 | 1.5 | 0.3 | 2.3 |
| 01.03.2006 | -0.5 | -1.3 | 0.4 | 0.7 | 0.8 | 6.8 |
| 02.03.2006 | -0.2 | -0.8 | 0.9 | 1.5 | 0.6 | 5.6 |
| 03.03.2006 | -1.8 | -3.6 | -0.1 | 1.3 | 0.6 | 5.6 |
| 04.03.2006 | -3.0 | -5.0 | -1.5 | 1.4 | 0.8 | 7.8 |

| Date | Temp | Min Temp | Max Temp | Precipitation | Evaporation | Radiation |
|---|---|---|---|---|---|---|
| 05.03.2006 | -6.0 | -10.3 | -2.8 | 0.2 | 0.9 | 10.3 |
| 06.03.2006 | -4.0 | -7.4 | -2.1 | 0.8 | 0.4 | 4.8 |
| 07.03.2006 | -6.3 | -11.4 | -0.9 | 0.0 | 0.6 | 7.6 |
| 08.03.2006 | -2.5 | -8.9 | -0.5 | 0.0 | 0.8 | 7.8 |
| 09.03.2006 | -1.7 | -4.3 | 0.3 | 0.0 | 1.1 | 10.6 |
| 10.03.2006 | -4.1 | -7.4 | -2.0 | 0.1 | 0.8 | 8.8 |
| 11.03.2006 | -5.9 | -8.3 | -3.2 | 0.1 | 0.7 | 8.2 |
| 12.03.2006 | -6.0 | -9.7 | -1.8 | 0.0 | 0.7 | 8.4 |
| 13.03.2006 | -5.8 | -11.2 | -1.3 | 0.0 | 0.9 | 11.0 |
| 14.03.2006 | -2.9 | -10.1 | 0.5 | 0.0 | 1.2 | 12.0 |
| 15.03.2006 | -0.2 | -1.6 | 0.3 | 0.1 | 0.7 | 6.2 |
| 16.03.2006 | -0.7 | -3.2 | 0.9 | 0.0 | 0.6 | 5.1 |
| 17.03.2006 | -1.7 | -4.2 | 0.5 | 0.0 | 0.6 | 6.1 |
| 18.03.2006 | -0.6 | -4.8 | 2.1 | 0.0 | 1.3 | 11.6 |
| 19.03.2006 | 0.3 | -3.3 | 3.2 | 0.0 | 0.9 | 7.7 |
| 20.03.2006 | -1.4 | -4.9 | 0.8 | 0.0 | 0.6 | 5.4 |
| 21.03.2006 | -0.8 | -4.7 | 2.8 | 0.1 | 1.6 | 14.5 |
| 22.03.2006 | -0.2 | -2.7 | 2.9 | 0.1 | 1.6 | 14.5 |
| 23.03.2006 | 0.4 | -2.2 | 3.7 | 0.0 | 1.1 | 10.0 |
| 24.03.2006 | 1.7 | -1.3 | 4.9 | 0.0 | 1.6 | 13.5 |
| 25.03.2006 | 0.8 | 0.0 | 2.0 | 0.3 | 0.8 | 6.6 |
| 26.03.2006 | 2.9 | 0.7 | 6.1 | 7.9 | 0.2 | 1.8 |
| 27.03.2006 | 8.6 | 6.2 | 11.8 | 9.1 | 0.8 | 5.1 |
| 28.03.2006 | 7.2 | 5.0 | 9.3 | 0.3 | 1.0 | 7.3 |
| 29.03.2006 | 4.8 | 1.3 | 7.5 | 0.2 | 0.8 | 5.8 |
| 30.03.2006 | 6.2 | 1.7 | 8.2 | 5.7 | 0.7 | 5.0 |
| 31.03.2006 | 5.6 | 3.7 | 8.3 | 0.4 | 0.4 | 2.6 |
| 01.04.2006 | 5.8 | 3.7 | 7.8 | 3.7 | 0.6 | 4.3 |
| 02.04.2006 | 5.7 | 3.5 | 8.8 | 4.8 | 1.3 | 9.6 |
| 03.04.2006 | 4.4 | 1.5 | 6.7 | 1.5 | 0.6 | 4.7 |
| 04.04.2006 | 3.2 | 1.9 | 5.4 | 3.7 | 1.3 | 10.0 |
| 05.04.2006 | 1.9 | -0.4 | 4.3 | 0.5 | 1.2 | 9.9 |
| 06.04.2006 | 4.3 | 0.7 | 6.1 | 2.4 | 1.2 | 8.9 |
| 07.04.2006 | 6.0 | 3.9 | 9.2 | 0.4 | 2.2 | 15.7 |
| 08.04.2006 | 4.6 | 1.9 | 8.5 | 3.8 | 1.2 | 8.7 |
| 09.04.2006 | 4.6 | 3.1 | 5.9 | 2.3 | 1.3 | 9.9 |
| 10.04.2006 | 4.1 | 0.5 | 7.8 | 0.0 | 1.3 | 9.9 |
| 11.04.2006 | 4.4 | 2.6 | 6.8 | 0.1 | 1.5 | 11.3 |
| 12.04.2006 | 4.5 | 3.6 | 5.0 | 0.9 | 0.5 | 3.5 |
| 13.04.2006 | 6.1 | 4.4 | 8.5 | 2.8 | 0.9 | 6.2 |
| 14.04.2006 | 6.6 | 3.9 | 9.5 | 0.5 | 1.9 | 13.6 |
| 15.04.2006 | 6.8 | 4.6 | 10.4 | 0.0 | 1.9 | 13.3 |
| 16.04.2006 | 8.0 | 4.5 | 11.5 | 0.0 | 2.0 | 13.6 |
| 17.04.2006 | 6.9 | 4.1 | 10.4 | 1.3 | 2.0 | 13.7 |
| 18.04.2006 | 6.8 | 4.0 | 9.8 | 0.7 | 2.5 | 17.3 |
| 19.04.2006 | 7.9 | 5.5 | 10.1 | 3.6 | 2.6 | 17.3 |
| 20.04.2006 | 5.9 | 4.1 | 8.7 | 0.4 | 1.2 | 8.6 |
| 21.04.2006 | 5.8 | 5.4 | 6.6 | 3.3 | 0.7 | 5.4 |
| 22.04.2006 | 7.2 | 4.4 | 10.5 | 0.0 | 2.8 | 19.2 |
| 23.04.2006 | 6.7 | 5.0 | 8.6 | 0.0 | 1.0 | 7.2 |
| 24.04.2006 | 6.8 | 1.6 | 11.0 | 0.0 | 1.4 | 10.0 |
| 25.04.2006 | 9.1 | 4.6 | 12.8 | 0.8 | 2.9 | 19.1 |
| 26.04.2006 | 8.3 | 6.4 | 10.7 | 2.2 | 1.3 | 8.8 |
| 27.04.2006 | 7.0 | 3.4 | 10.4 | 0.3 | 1.6 | 11.4 |
| 28.04.2006 | 7.1 | 3.5 | 9.9 | 1.2 | 2.4 | 16.7 |

| Date | Temp | Min Temp | Max Temp | Precipitation | Evaporation | Radiation |
|---|---|---|---|---|---|---|
| 29.04.2006 | 7.2 | 5.6 | 9.7 | 0.8 | 2.7 | 18.6 |
| 30.04.2006 | 5.8 | 4.4 | 7.6 | 0.3 | 1.2 | 8.8 |
| 01.05.2006 | 6.5 | 3.9 | 10.2 | 0.2 | 2.8 | 20.0 |
| 02.05.2006 | 8.2 | 5.3 | 12.3 | 0.4 | 2.2 | 14.7 |
| 03.05.2006 | 11.3 | 7.2 | 15.9 | 0.0 | 2.5 | 15.6 |
| 04.05.2006 | 13.2 | 8.6 | 17.7 | 0.0 | 2.7 | 15.7 |
| 05.05.2006 | 13.2 | 8.5 | 18.6 | 0.0 | 3.9 | 23.3 |
| 06.05.2006 | 13.5 | 10.2 | 18.1 | 0.0 | 3.7 | 21.8 |
| 07.05.2006 | 14.8 | 9.3 | 20.6 | 0.0 | 4.0 | 22.9 |
| 08.05.2006 | 14.4 | 8.8 | 19.8 | 0.0 | 2.8 | 16.2 |
| 09.05.2006 | 13.8 | 8.3 | 19.0 | 0.0 | 2.8 | 16.3 |
| 10.05.2006 | 15.2 | 8.3 | 20.7 | 0.0 | 2.9 | 16.4 |
| 11.05.2006 | 15.3 | 7.9 | 20.7 | 0.0 | 2.9 | 16.5 |
| 12.05.2006 | 13.8 | 7.2 | 18.8 | 0.0 | 2.9 | 16.6 |
| 13.05.2006 | 11.1 | 6.2 | 14.5 | 0.1 | 2.7 | 16.6 |
| 14.05.2006 | 8.9 | 4.0 | 12.5 | 0.0 | 3.6 | 23.7 |
| 15.05.2006 | 8.7 | 7.2 | 10.9 | 2.8 | 2.4 | 15.6 |
| 16.05.2006 | 7.9 | 7.5 | 8.5 | 5.2 | 0.6 | 3.8 |
| 17.05.2006 | 9.1 | 7.8 | 10.6 | 0.2 | 1.1 | 7.2 |
| 18.05.2006 | 10.7 | 8.9 | 13.3 | 9.3 | 1.0 | 6.5 |
| 19.05.2006 | 12.0 | 10.8 | 13.6 | 1.8 | 2.0 | 12.0 |
| 20.05.2006 | 11.9 | 10.3 | 13.9 | 6.3 | 1.7 | 10.2 |
| 21.05.2006 | 10.7 | 7.4 | 12.5 | 0.3 | 1.6 | 9.8 |
| 22.05.2006 | 12.7 | 11.7 | 14.6 | 5.1 | 2.0 | 12.0 |
| 23.05.2006 | 9.7 | 5.9 | 12.6 | 0.3 | 1.6 | 10.3 |
| 24.05.2006 | 9.7 | 6.8 | 12.8 | 6.3 | 2.6 | 17.0 |
| 25.05.2006 | 9.6 | 6.2 | 11.8 | 1.6 | 3.2 | 20.5 |
| 26.05.2006 | 9.5 | 5.6 | 13.2 | 0.5 | 3.8 | 24.5 |
| 27.05.2006 | 10.5 | 9.2 | 12.2 | 8.5 | 2.6 | 16.6 |
| 28.05.2006 | 9.3 | 7.3 | 11.1 | 11.6 | 1.4 | 9.3 |
| 29.05.2006 | 9.8 | 7.9 | 11.3 | 1.6 | 2.4 | 15.3 |
| 30.05.2006 | 11.4 | 8.8 | 14.3 | 0.5 | 3.7 | 23.1 |
| 31.05.2006 | 11.6 | 7.9 | 14.4 | 5.9 | 3.9 | 23.7 |
| 01.06.2006 | 10.1 | 7.1 | 12.6 | 1.8 | 3.3 | 21.0 |
| 02.06.2006 | 13.1 | 10.8 | 16.1 | 0.2 | 4.4 | 26.1 |
| 03.06.2006 | 10.9 | 7.0 | 13.7 | 0.7 | 1.9 | 11.9 |
| 04.06.2006 | 11.8 | 7.7 | 15.1 | 0.0 | 3.0 | 18.3 |
| 05.06.2006 | 12.6 | 9.8 | 14.6 | 2.6 | 3.7 | 22.4 |
| 06.06.2006 | 12.7 | 7.2 | 16.9 | 0.0 | 4.1 | 24.2 |
| 07.06.2006 | 13.2 | 8.4 | 16.7 | 0.0 | 3.1 | 18.4 |
| 08.06.2006 | 13.7 | 10.0 | 18.3 | 0.0 | 3.6 | 21.2 |
| 09.06.2006 | 13.1 | 8.0 | 17.3 | 0.0 | 4.2 | 24.8 |
| 10.06.2006 | 15.6 | 9.5 | 20.6 | 0.0 | 3.3 | 18.5 |
| 11.06.2006 | 18.6 | 12.2 | 23.7 | 0.0 | 3.5 | 18.6 |
| 12.06.2006 | 20.6 | 14.5 | 25.5 | 0.0 | 3.6 | 18.6 |
| 13.06.2006 | 20.8 | 14.4 | 25.4 | 0.0 | 3.7 | 18.6 |
| 14.06.2006 | 15.9 | 11.1 | 19.3 | 2.1 | 3.8 | 21.2 |
| 15.06.2006 | 15.6 | 12.9 | 18.5 | 0.6 | 4.2 | 23.3 |
| 16.06.2006 | 15.3 | 13.6 | 17.1 | 0.3 | 2.4 | 13.3 |
| 17.06.2006 | 15.9 | 13.9 | 18.7 | 1.4 | 2.8 | 15.7 |
| 18.06.2006 | 17.8 | 14.7 | 21.6 | 0.0 | 4.6 | 24.8 |
| 19.06.2006 | 19.2 | 15.1 | 22.9 | 0.5 | 4.3 | 22.3 |
| 20.06.2006 | 18.2 | 14.8 | 21.0 | 0.2 | 4.4 | 23.6 |
| 21.06.2006 | 16.7 | 14.5 | 19.1 | 1.3 | 2.3 | 12.4 |
| 22.06.2006 | 14.9 | 12.4 | 17.7 | 0.6 | 3.2 | 18.3 |

| Date | Temp | Min Temp | Max Temp | Precipitation | Evaporation | Radiation |
|---|---|---|---|---|---|---|
| 23.06.2006 | 14.4 | 9.1 | 18.2 | 0.0 | 4.2 | 23.9 |
| 24.06.2006 | 16.5 | 13.7 | 19.1 | 0.0 | 4.2 | 22.9 |
| 25.06.2006 | 19.5 | 17.0 | 22.8 | 5.9 | 4.7 | 24.5 |
| 26.06.2006 | 18.4 | 17.2 | 19.8 | 12.5 | 1.3 | 7.0 |
| 27.06.2006 | 15.4 | 12.3 | 17.0 | 0.1 | 1.8 | 10.2 |
| 28.06.2006 | 13.9 | 12.6 | 15.2 | 0.0 | 2.3 | 13.1 |
| 29.06.2006 | 13.9 | 10.2 | 16.7 | 0.0 | 2.5 | 14.6 |
| 30.06.2006 | 16.4 | 10.6 | 20.3 | 0.0 | 4.8 | 26.4 |
| 01.07.2006 | 18.1 | 13.4 | 22.4 | 0.0 | 3.5 | 18.6 |
| 02.07.2006 | 19.2 | 13.7 | 23.9 | 0.0 | 3.5 | 18.5 |
| 03.07.2006 | 19.8 | 14.2 | 24.4 | 0.0 | 3.6 | 18.5 |
| 04.07.2006 | 20.6 | 14.9 | 25.8 | 0.0 | 3.6 | 18.5 |
| 05.07.2006 | 22.0 | 16.6 | 26.8 | 0.0 | 3.7 | 18.4 |
| 06.07.2006 | 23.5 | 17.7 | 28.7 | 0.6 | 5.5 | 26.9 |
| 07.07.2006 | 21.8 | 17.8 | 26.1 | 0.3 | 3.9 | 19.6 |
| 08.07.2006 | 18.9 | 14.9 | 22.7 | 0.1 | 3.3 | 17.2 |
| 09.07.2006 | 20.8 | 18.8 | 23.8 | 2.0 | 4.2 | 21.4 |
| 10.07.2006 | 19.3 | 14.3 | 23.0 | 0.0 | 4.1 | 21.2 |
| 11.07.2006 | 18.5 | 10.8 | 24.4 | 2.4 | 3.0 | 16.0 |
| 12.07.2006 | 16.5 | 10.2 | 21.6 | 0.0 | 3.3 | 18.1 |
| 13.07.2006 | 18.7 | 12.0 | 23.8 | 0.0 | 5.0 | 26.4 |
| 14.07.2006 | 16.9 | 12.2 | 20.2 | 0.0 | 4.8 | 26.3 |
| 15.07.2006 | 17.9 | 10.9 | 23.1 | 0.0 | 3.4 | 18.0 |
| 16.07.2006 | 19.7 | 12.7 | 25.2 | 0.0 | 3.5 | 17.9 |
| 17.07.2006 | 21.4 | 15.1 | 26.4 | 0.0 | 3.5 | 17.8 |
| 18.07.2006 | 20.8 | 14.4 | 25.7 | 0.0 | 5.1 | 25.8 |
| 19.07.2006 | 21.4 | 15.2 | 26.7 | 0.2 | 3.5 | 17.7 |
| 20.07.2006 | 23.7 | 20.4 | 28.1 | 0.5 | 5.1 | 24.9 |
| 21.07.2006 | 21.5 | 17.3 | 25.0 | 2.0 | 3.6 | 18.1 |
| 22.07.2006 | 20.7 | 16.6 | 24.9 | 0.1 | 4.5 | 22.9 |
| 23.07.2006 | 22.1 | 19.0 | 26.3 | 5.1 | 3.0 | 15.1 |
| 24.07.2006 | 20.4 | 14.4 | 25.0 | 0.0 | 4.2 | 21.7 |
| 25.07.2006 | 20.9 | 14.0 | 26.3 | 0.1 | 3.4 | 17.2 |
| 26.07.2006 | 22.4 | 15.8 | 28.4 | 0.0 | 3.5 | 17.2 |
| 27.07.2006 | 23.6 | 20.2 | 27.2 | 5.0 | 5.0 | 24.4 |
| 28.07.2006 | 20.2 | 17.7 | 23.1 | 4.3 | 1.7 | 8.8 |
| 29.07.2006 | 21.4 | 16.5 | 26.2 | 0.5 | 3.7 | 18.7 |
| 30.07.2006 | 22.7 | 19.1 | 26.5 | 14.7 | 4.3 | 21.4 |
| 31.07.2006 | 20.0 | 15.0 | 23.5 | 0.1 | 3.5 | 18.2 |
| 01.08.2006 | 20.3 | 16.1 | 24.6 | 10.7 | 3.8 | 19.6 |