

Cornell Cooperative Extension

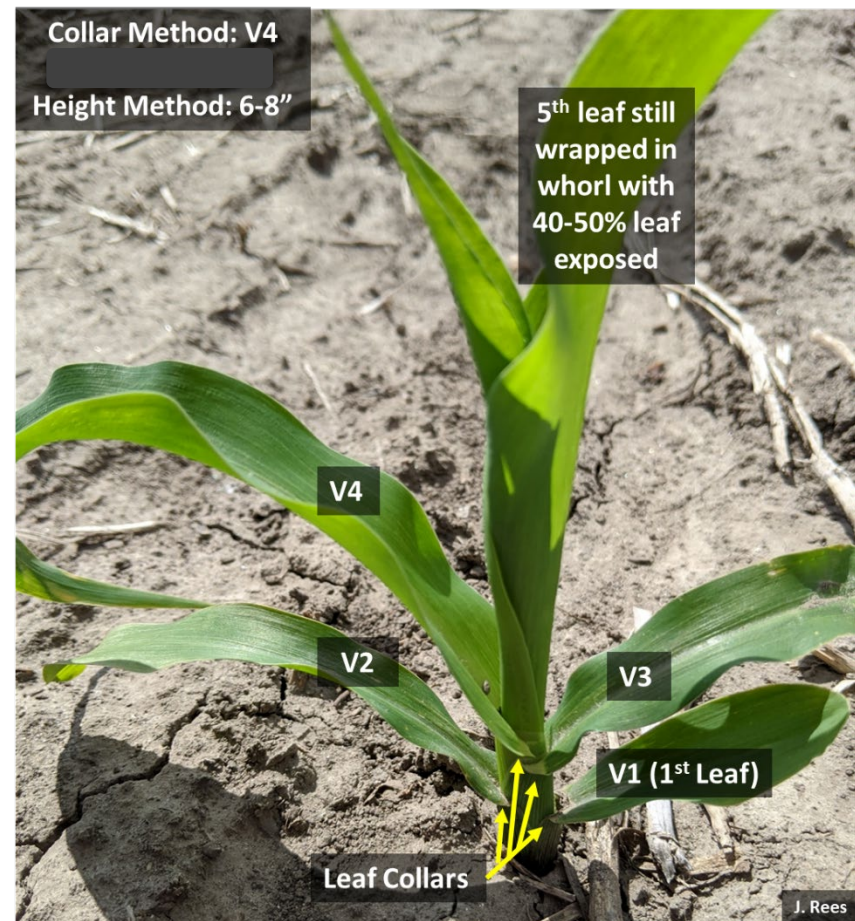
Central New York Dairy, Livestock and Field Crops

Field Crop Update 16 June 2022

1. Field Observations
2. Growing Degree Days and Weather Outlook
3. Pest and Disease Monitoring

1. Field Observations

Most corn I've seen lately is V5-V6, so this is our window for side-dressing (until V7-V8), and is nearing the end of the window of susceptibility to black cutworm (until V6). Our numbers have been low (see section 3), but later plantings may be at risk – so keep an eye on your fields!



2. Growing Degree Days as of June 9th (See: [Climate Smart Farming Growing Degree Day Calculator](#))

Growing degree days (GDD) are calculated by taking the average daily temperature and subtracting the base temperature for development of a given organism ((High + Low)/2 – base temp = GDD). For corn silage, we are using base 50/86, as corn development starts at 50 degrees F and ceases above 86. **Check your location and planting date:**

I know I sound like a broken record, but **early planting dates are near record highs**, while later planting dates (through mid-late May) are closer to the 15-yr averages:

| As of: 14 June 2022 | | | Planting Date: May 10 (<i>Base 86/50</i>) | | | | Planting Date: May 15 (<i>Base 86/50</i>) | | | |
|---------------------|----------------|------------|---|-----------|-----------|------------|---|-----------|-----------|------------|
| Location | Elevation (ft) | Latitude N | year to date | 15 yr avg | 30 yr avg | Record L-H | year to date | 15 yr avg | 30 yr avg | Record L-H |
| Poland | 675 | 43.23 | 447 | 407 | 360 | 262-479 | 365 | 369 | 321 | 206-438 |
| Canastota | 420 | 43.08 | 520 | 471 | 422 | 312-552 | 425 | 426 | 376 | 252-513 |
| Saratoga Springs | 365 | 43.08 | 533 | 450 | 413 | 305-549 | 441 | 406 | 368 | 261-484 |
| Frankfort | 530 | 43.03 | 499 | 458 | 412 | 309-541 | 411 | 414 | 367 | 247-482 |
| Galway | 749 | 43.02 | 499 | 431 | 399 | 299-540 | 413 | 389 | 355 | 259-473 |
| St Johnsville | 650 | 43 | 457 | 412 | 375 | 290-515 | 379 | 374 | 334 | 232-450 |
| Fenner | 1480 | 42.97 | 448 | 400 | 349 | 253-462 | 361 | 366 | 312 | 202-439 |
| Fultonville | 489 | 42.95 | 498 | 449 | 404 | 308-552 | 416 | 406 | 360 | 257-484 |
| Bouckville | 1170 | 42.93 | 449 | 405 | 353 | 262-469 | 368 | 369 | 315 | 209-442 |
| Richfield Springs | 1580 | 42.85 | 431 | 382 | 349 | 266-478 | 356 | 347 | 310 | 213-416 |
| Cherry Valley | 758 | 42.81 | 427 | 373 | 344 | 258-484 | 354 | 339 | 306 | 218-423 |
| Burlington | 1959 | 42.72 | 423 | 370 | 343 | 266-468 | 349 | 336 | 305 | 211-406 |
| Sherburne | 1115 | 42.69 | 480 | 432 | 381 | 280-500 | 398 | 392 | 339 | 226-450 |
| Cobleskill | 937 | 42.68 | 497 | 415 | 378 | 287-531 | 415 | 376 | 337 | 254-466 |
| Oneonta | 1107 | 42.47 | 418 | 363 | 345 | 258-471 | 345 | 330 | 306 | 212-410 |
| Oxford | 1499 | 42.4 | 445 | 394 | 354 | 266-481 | 364 | 358 | 315 | 222-418 |

| Bainbridge | 1000 | 42.3 | 462 | 413 | 373 | 286-504 | 381 | 376 | 332 | 237-437 |
|---------------------|----------------|------------|---|-----------|-----------|------------|---|-----------|-----------|------------|
| As of: 14 June 2022 | | | Planting Date: May 20 (<i>Base 86/50</i>) | | | | Planting Date: May 25 (<i>Base 86/50</i>) | | | |
| Location | Elevation (ft) | Latitude N | year to date | 15 yr avg | 30 yr avg | Record L-H | year to date | 15 yr avg | 30 yr avg | Record L-H |
| Poland | 675 | 43.23 | 324 | 323 | 282 | 188-383 | 251 | 264 | 236 | 161-348 |
| Canastota | 420 | 43.08 | 375 | 374 | 329 | 225-443 | 298 | 305 | 275 | 188-379 |
| Saratoga Springs | 365 | 43.08 | 389 | 356 | 325 | 233-419 | 316 | 290 | 270 | 193-365 |
| Frankfort | 530 | 43.03 | 363 | 362 | 321 | 220-419 | 286 | 295 | 268 | 185-375 |
| Galway | 749 | 43.02 | 364 | 342 | 313 | 231-409 | 293 | 280 | 261 | 190-357 |
| St Johnsville | 650 | 43 | 337 | 327 | 293 | 206-390 | 265 | 268 | 245 | 171-353 |
| Fenner | 1480 | 42.97 | 320 | 323 | 275 | 182-406 | 253 | 264 | 231 | 154-345 |
| Fultonville | 489 | 42.95 | 367 | 355 | 316 | 229-417 | 292 | 291 | 264 | 189-362 |
| Bouckville | 1170 | 42.93 | 327 | 325 | 277 | 187-395 | 259 | 265 | 232 | 159-339 |
| Richfield Springs | 1580 | 42.85 | 317 | 303 | 272 | 190-356 | 247 | 248 | 227 | 160-335 |
| Cherry Valley | 758 | 42.81 | 314 | 297 | 270 | 194-363 | 245 | 244 | 226 | 156-329 |
| Burlington | 1959 | 42.72 | 310 | 293 | 267 | 187-345 | 243 | 240 | 223 | 158-323 |
| Sherburne | 1115 | 42.69 | 353 | 344 | 298 | 203-399 | 282 | 282 | 249 | 172-349 |
| Cobleskill | 937 | 42.68 | 367 | 329 | 296 | 218-400 | 290 | 270 | 248 | 173-344 |
| Oneonta | 1107 | 42.47 | 306 | 287 | 268 | 188-349 | 239 | 235 | 224 | 159-321 |
| Oxford | 1499 | 42.4 | 322 | 313 | 276 | 198-365 | 254 | 257 | 231 | 168-323 |
| Bainbridge | 1000 | 42.3 | 335 | 328 | 291 | 210-388 | 265 | 270 | 244 | 177-326 |

3. Pest and disease monitoring

A. **Black cutworm (BCW), western bean cutworm (WBC), and true armyworm (TAW) in corn.**

This week, trap numbers remained low. This means that oviposition (egg-laying) may be low, but larval activity will be relatively high. Once again, check your fields until v6 (around 12") for cutworm damage:

| County | Town/Village | 2-6 May | | 9-13 May | | 16-20 May | | 23-27 May | | 31 May | | 6 June | | 14 June | |
|------------|--------------|---------|-----|----------|-----|-----------|-----|-----------|-----|--------|-----|--------|-----|---------|-----|
| | | BCW | TAW | BCW | TAW | BCW | TAW | BCW | TAW | BCW | TAW | BCW | TAW | BCW | TAW |
| Madison | Oneida | 2 | 0 | 8 | 0 | 12 | 0 | 27 | 0 | 20 | 0 | 1 | 0 | 2 | 0 |
| Herkimer | Poland | | | | | | | 6 | 0 | 3 | 0 | 0 | 1 | 1 | 0 |
| Montgomery | Canajoharie | 3 | 0 | 0 | 0 | 1 | 0 | 8 | 0 | 2 | 0 | 0 | 0 | 1 | 2 |
| Saratoga | W. Charlton | | | | | 2 | 1 | 14 | 0 | 9 | 0 | 0 | 0 | 0 | 0 |
| Schoharie | Schoharie | | | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 3 | 0 | 0 |
| Otsego | Index | | | | | | | | | 0 | 0 | 0 | 1 | 2 | 0 |
| Chenango | Brisben | 0 | 0 | 0 | 0 | 7 | 0 | 15 | 0 | 14 | 0 | 2 | 0 | 2 | 0 |

B. **Potato leafhopper in alfalfa.** *No action needed within a week of harvest

| County | Town/Village | Date | Ht (in) | PLH/sweep | Threshold |
|------------|--------------|------|---------|-----------|-----------|
| Madison | Sullivan 1 | 6/13 | 17 | 0.03 | 2* |
| Madison | Sullivan 2 | 6/13 | 10 | 0 | 1 |
| Madison | Oneida | 6/13 | 5 | 0.05 | 0.5 |
| Montgomery | Glen 1 | 6/14 | 15 | 0.5 | 2* |
| Montgomery | Glen 2 | 6/14 | 18 | 0.33 | 2* |
| Schoharie | Cobleskill | 6/14 | 12 | 0.2 | 2 |
| Schoharie | Sharon | 6/14 | - | just cut | |
| Chenango | Guilford | 6/15 | - | just cut | |

Action Thresholds

| Alfalfa height (in.) | Leafhoppers/sweep |
|----------------------|-------------------|
| < 3 | 0.2 |
| 3 - 7 | 0.5 |
| 8 - 10 | 1.0 |
| 11-14 | 2.0 |
| 15 + | 2.0* |

C. Fusarium head blight in grains. As winter grains are flowering, now would be the time to decide whether to protect crops from fusarium head blight. According to the Fusarium Risk Tool (<https://www.wheatcab.psu.edu/>), the risk in our region is currently low, except for **eastern Fulton County and east of Schoharie in the Gallupville/Berne area, as well as Herkimer county north of the Mohawk** where the risk is medium if your crops are currently flowering:

