Introduction
The Corn and Soybean Production Calendar was developed to help producers prioritize and schedule work events in a timely fashion on the farm. Weather events and equipment breakdowns rarely follow an organized schedule. However, if other practices within the farming operation are prioritized, perhaps a producer can better address the emergencies that will occur.

This calendar does not include every single practice that a corn or soybean producer will face each year. It should be treated as a starting point and as a tool to help prioritize some of the practices involved in corn and soybean production.

Because each farming operation is unique, the order of events on this calendar may not fit the operating system of each farm but should help in scheduling.

For example, most producers work on the planter about a month or two before planting season; however, some producers believe that working on a planter or sprayer during the summer months is much more desirable due to good weather conditions for evaluating the equipment. In addition, if new parts are needed, they do not have to be rushed.

Facts and Figures

Dates relating directly to crop production are based on years of research and are listed as dates that will produce maximum yield most years. Dates relating to equipment maintenance and repairs are suggested to reduce or ease the crunch that comes just prior to major events, such as planting. Dates relating to marketing and economics are suggested to alleviate the pressures close to tax time.

In general, the earlier dates within a certain practice, such as planting, are recommended for western and southern Kentucky, while the later dates within a practice are recommended for central and eastern Kentucky.

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In general, the earlier dates within a certain practice, such as planting, are recommended for western and southern Kentucky, while the later dates within a practice are recommended for central and eastern Kentucky.
**Corn for Grain**

*Description of Production Calendar*

**January—February:** The weather is ideal for being in a warm shop, prepping planters, sprayers, and fertilizer application equipment (i.e., anhydrous injectors) for the spring and cleaning out combines from the fall harvest. The only type of field work that should be done this time of the year is P and K applications, if the soil will support equipment. This is a good time to analyze and summarize costs and returns, present and future, and to start tax preparation.

**March:** Although corn planting should not begin for at least another month, this is the month to scout for existing weeds and to spray those weeds with a burndown herbicide. Ideally, no corn should be planted into green weeds. Final calibration of the planter and sprayer (prior to planting and spraying) can be done. Anhydrous ammonia applications will need to start prior to planting. Final tax preparations and the business analysis should be completed.

**April:** Corn planting should begin April 1 in western Kentucky and April 15 in central and eastern Kentucky. Liquid or granular N can be applied with the planter or should be applied shortly after planting. Insecticide seed treatments are applied with the planter. Preemergence herbicides should be applied immediately after planting and before the crop emerges. Complete the tax filing process.

**May:** Stand counts should be conducted to determine the quality of the stand. On poorly drained soils, N sidedress applications should be made as late as possible but before corn is knocked over by the application equipment. Scout for weeds and determine weed pressure prior to post-emergence herbicide applications. Be sure to check the herbicide labels and growth stages of corn before making an herbicide application. Scout for insects to prevent damage to corn in the early seedling stages. Some insects can damage corn in the early seedling stages even if a preventive control was applied. Scout for insects following emergence. If damage is found, identify the species and the level of damage and make an insecticide treatment only if necessary. Start the grain marketing process.

**June:** Continue scouting for weeds and insects and make necessary management decisions based on observations. Evaluate the grain marketing process and then make adjustments as needed. Check grain storage facilities and clean empty bins.

**July:** Scout crop conditions, including the pollination process. Prepare harvesters and repair planters and sprayers. This is actually one of the best times to evaluate planters and sprayers since there is usually plenty of time to order new parts and work on the equipment while weather conditions are favorable. Continue the grain marketing process. By the end of the month, start evaluating grain storage versus market delivery options.

**August:** Scout crop conditions, including seed fill. Scout for weed escapes. Keep a record for the following season. Prepare for grain harvest, including bin and equipment cleanup to remove stored grain pests. Early harvesting will likely begin at the end of the month in western Kentucky. Complete any grain storage preparations. Continue to assess grain storage versus delivery market options.

**September—October:** Harvest grain. If necessary, dry grain to about 15% moisture for safe storage. Following harvest, start taking soil samples. Lime applications, if needed, could begin as soon as the end of October. Fall lime applications are recommended to allow the lime to neutralize the acidity in the soil and provide a benefit to the crops in the next growing season. Assess fields for compaction and make decisions to alleviate compaction layer(s), if possible. Continue marketing of grain.

**November—December:** By November, most of corn harvest should be complete. Finish taking soil samples. Finish lime applications where needed. Conduct any deep ripping, but only if necessary. Clean out harvesters and start repairs. Check grain storage to ensure that grain is dry and in good condition. Begin evaluating what inputs are needed for the next growing season and take advantage of early purchase discounts. Make chemical inventory to determine products on hand and needs for the coming season.
Production Calendar: *Corn for Grain*

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**GROWING DEGREE DAYS** *(Princeton, Ky.)*

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* 30-year average of monthly GDD accumulations, University of Kentucky Agricultural Weather Center.
Corn for Silage

Description of Production Calendar

January—February: The weather is ideal for being in a warm shop, prepping planters, sprayers, and fertilizer application equipment (i.e., anhydrous injectors) for the spring and cleaning out combines from the fall harvest. The only type of field work that should be done this time of the year is P and K applications, if the soil will support equipment. This is a good time to analyze and summarize costs and returns, present and future, and to start tax preparation.

March: Although corn planting should not begin for at least another month, this is the month to scout for existing weeds and to spray those weeds with a burndown herbicide. Ideally, no corn should be planted into green weeds. Final calibration of the planter and sprayer (prior to planting and spraying) can be done. Anhydrous ammonia applications will need to start prior to planting. Final tax preparations and completion of the business analysis should be completed.

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June: Continue scouting for weeds and insects and make necessary management decisions based on observations. Check condition of silage storage facilities and clean out empty silos and bunkers.

July: Scout crop conditions, including pollination process. Prepare choppers, wagons, and loaders. Repair planters and sprayers. This is actually one of the best times to evaluate planters and sprayers since there is time to order new parts and work on the equipment in favorable weather conditions.

August: Scout crop conditions, including seed fill. Scout weeds not controlled. Keep a record for the following season. Forage harvesting should start once corn kernels are dented and the starch layer is one-half to three-quarters the way down the kernel on at least 50% of the ears examined. Whole plant moisture should be near 65% (dry matter should be near 35%). Chop the forage into small pieces, about 1 to 2 inches in length. Ensile the forage immediately, being sure to remove as much oxygen as possible through proper packing. If the forage is drier than ideal, add water to the ensiling process. If the forage is wetter than normal, expect improper ensiling and nutrient loss.

September—October: Complete forage harvesting. Following harvest, start taking soil samples. Lime applications, if needed, could begin as soon as soil test results are received. Fall lime applications are recommended to allow the lime to neutralize the acidity in the soil and provide a benefit to the crops in the next growing season. Spring applications of lime will not benefit the immediate crop. Assess fields for compaction and make decisions to alleviate compaction layer(s), if possible. Conduct a quick assessment of the forage chopper, wagons, and sprayers to determine what repairs may be necessary. Order replacement parts.

November—December: Finish taking soil samples. Finish lime applications where needed. Conduct any deep ripping, but only if necessary. Start repairs on harvesters and forage wagons. Complete repairs on planters and sprayers. Begin evaluating what inputs are needed for the next growing season and take advantage of early purchase discounts. Make chemical inventory to determine products on hand and needs for the coming season.
### Production Calendar: Corn for Silage

#### CROP MANAGEMENT

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#### GROWING DEGREE DAYS (Princeton, Ky.)

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<td>Accumulated GDD*</td>
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* 30-year average of monthly GDD accumulations, University of Kentucky Agricultural Weather Center.
**Full-Season Soybean**  
*Description of Production Calendar*

**January—February:** The weather is ideal for being in a warm shop, prepping planters and sprayers for the spring and cleaning out combines from the fall harvest. The only type of field work that should be done this time of the year is P and K applications, if the soil will support equipment. This is a good time to analyze and summarize costs and returns, present and future, and start tax preparation.

**March:** Final calibration of the planter and sprayer (prior to spraying) can be done. Final tax preparations and the business analysis should be completed.

**April:** Although full-season soybean planting should not begin for at least another month, this is the time to scout for existing weeds. Assess the weed pressure and determine if herbicide(s) will be needed at planting. Complete the tax filing process before the April deadline.

**May:** Full-season soybean planting should begin by May 1 in western Kentucky and May 10-15 in eastern Kentucky. Burn down or till weeds prior to planting. Soybean should not be planted into green weeds. Preemergence herbicides should be applied immediately after planting and before the crop emerges. Stand counts should be conducted to determine the quality of the stand. Start the grain marketing process.

**June:** If a soil residual herbicide was not used earlier, then summer annual weeds will likely be competing with soybean within four weeks after soybean emergence. Scout for weeds and insects and make necessary management decisions based on observations. Scout for insects. Evaluate the grain marketing process and then make adjustments as needed. Check grain storage facilities and clean empty bins.

**July:** Full-season soybean should be flowering in July and starting pod set. Scout crop conditions. Scout for late-emerging weeds. Begin scouting for soybean rust, if weather forecasts and soybean rust tracking indicate rust is in Kentucky. Prepare harvesters and repair planters and sprayers. This is actually one of the best times to evaluate planters and sprayers since new parts can be ordered without rush shipments and weather conditions are favorable. Continue the grain marketing process. By the end of the month, start evaluating grain storage versus market delivery options.

**August:** Scout crop conditions, including seed fill. Scout weed escapes and spot spray, if necessary. Keep a record for the following season. Prepare for grain harvest. Complete any grain storage preparations. Continue to assess grain storage versus delivery market options.

**September—October:** Continue scouting for diseases, especially soybean rust. Grain harvest could begin in September, depending on maturity of the varieties. If necessary, dry grain to about 15% moisture for safe storage.

**November—December:** Harvest should be nearly complete. Following harvest, start taking soil samples. Lime applications, if needed, could begin as soon as soil sample results are received. Fall lime applications are recommended to allow the lime to neutralize the acidity in the soil and provide a benefit to the crops in the next growing season. Assess fields for compaction and make decisions to alleviate compaction layer(s), if possible. Continue marketing of grain. Clean out harvesters and start repairs. Check grain storage to ensure that grain is dry and in good condition. Begin evaluating what inputs are needed for the next growing season and take advantage of early purchase discounts. Make chemical inventory to determine products on hand and needs for the coming season.

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**Quick Look: Full-Season Soybean**

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## Production Calendar: Full-Season Soybean

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- WEEDS, INSECTS
- INSECTS, DISEASES
- TAKE SOIL SAMPLES
- CHECK STAND
- WEED ESCAPES

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- EMERGENCE
- FLOWERING, POD SET, SEED FILL
- SEED DRYDOWN

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- P APPLICATIONS
- K APPLICATIONS
- LIME APPLICATIONS

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- SEED PESTICIDES
- SEED FUNGICIDE
- SPRAY FOLIAR FUNGICIDE IF NECESSARY

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- BURNDOWN
- POST HERBICIDES
- SPOT SPRAY

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- CHECK GRAIN STORAGE FACILITIES
- DRY GRAIN IN BIN
- GRAIN STORAGE

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- TAX PREPARATION
- BEGIN GRAIN MARKETING
- ASSESS GRAIN STORAGE vs. DELIVERY MARKET OPTIONS
- EARLY PURCHASE OF INPUTS
Double-Crop Soybean

Description of Production Calendar

January—February: The weather is ideal for being in a shop, prepping planters and sprayers for the spring and cleaning out combines from the fall harvest. The only type of field work that should be done this time of the year is P and K applications, if the soil will support equipment. This is the time to analyze and summarize costs and returns, present and future, and start tax preparation.

March—April: Final calibration of the planter and sprayer (prior to spraying) can be done. Final tax preparations and the business analysis should be completed.

May: Full-season soybean planting should begin May 1 in western Kentucky and May 10-15 in central and eastern Kentucky.

June: Double-crop soybean planting should begin immediately following wheat harvest. Yield losses from late planting will typically occur for soybean planted after June 10-15 (1.5% per day for each day delayed). If necessary, preemergence herbicides should be applied immediately after planting and before the crop emerges. Stand counts should be conducted to determine the quality of the stand. Start the grain marketing process.

July: If a soil residual herbicide was not used earlier, then summer annual weeds will likely be competing with soybean within three weeks after soybean emergence. Scout for weeds and make necessary management decisions based on observations. Scout for insects. Prepare harvesters and repair planters and sprayers. This is actually one of the best times to evaluate planters and sprayers, since new parts can be ordered without rush shipments and weather conditions are favorable. Check grain storage facilities and clean empty bins. Evaluate the grain marketing process and then make adjustments as needed.

August: Double-crop soybean will flower and initiate pod set during August. Scout crop conditions, including seed fill. Scout for weed escapes and spot spray, if necessary. Keep a record for the following season. Begin scouting for soybean rust, if weather forecasts and soybean rust tracking indicate rust is in Kentucky. Continue the grain marketing process. By the end of the month, start evaluating grain storage versus market delivery options.

September—October: Continue scouting for soybean diseases, especially soybean rust. Grain harvest will likely begin in October, depending on maturity of the varieties. If necessary, dry grain to about 15% moisture for safe storage.

November—December: Following harvest, start taking soil samples. Lime applications, if needed, could begin as soon as the end of October. Fall lime applications are recommended to allow the lime to neutralize the acidity in the soil and provide a benefit to the crops in the next growing season. Assess fields for compaction and make decisions to alleviate compaction layer(s), if possible. Continue marketing of grain. Clean out harvesters and start repairs. Check grain storage to ensure that grain is dry and in good condition. Begin evaluating what inputs are needed for the next growing season and take advantage of early purchase discounts. Make chemical inventory to determine products on hand and needs for the coming season.
# Production Calendar: Double-Crop Soybean

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<td>Equipment/shop</td>
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<tr>
<td>Repairs</td>
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<tr>
<td>Grain storage</td>
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<tr>
<td>Taxes</td>
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</tbody>
</table>

## Equipment/Shop

<table>
<thead>
<tr>
<th>Activity</th>
<th>Feb</th>
<th>Mar</th>
<th>Apr</th>
<th>May</th>
<th>Jun</th>
<th>Jul</th>
<th>Aug</th>
<th>Sep</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
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</thead>
<tbody>
<tr>
<td>Prep</td>
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</tbody>
</table>

## Grain Storage

<table>
<thead>
<tr>
<th>Activity</th>
<th>Feb</th>
<th>Mar</th>
<th>Apr</th>
<th>May</th>
<th>Jun</th>
<th>Jul</th>
<th>Aug</th>
<th>Sep</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check grain storage facilities</td>
<td></td>
<td></td>
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<td></td>
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<tr>
<td>Dry grain in bin</td>
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<td>Grain storage</td>
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## Business/Marketing

<table>
<thead>
<tr>
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<th>Feb</th>
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<th>Apr</th>
<th>May</th>
<th>Jun</th>
<th>Jul</th>
<th>Aug</th>
<th>Sep</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
</tr>
</thead>
<tbody>
<tr>
<td>Taxes</td>
<td></td>
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<td></td>
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<td></td>
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</tr>
<tr>
<td>Summarize and analyze enterprise costs and returns (present and future)</td>
<td></td>
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</tbody>
</table>
### Corn Growth

Expected date for black layer formation based on location, planting date, and hybrid maturity (growing degree days).

<table>
<thead>
<tr>
<th>Kentucky Location</th>
<th>Planting Date</th>
<th>Hybrid Maturity (GDD)</th>
<th>Date to Reach Black Layer</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>2400</td>
<td>2700</td>
</tr>
<tr>
<td>Mayfield</td>
<td>15-Mar</td>
<td>28-Jul</td>
<td>8-Aug</td>
</tr>
<tr>
<td></td>
<td>1-Apr</td>
<td>1-Aug</td>
<td>13-Aug</td>
</tr>
<tr>
<td></td>
<td>15-Apr</td>
<td>6-Aug</td>
<td>18-Aug</td>
</tr>
<tr>
<td></td>
<td>1-May</td>
<td>14-Aug</td>
<td>26-Aug</td>
</tr>
<tr>
<td></td>
<td>15-May</td>
<td>23-Aug</td>
<td>4-Sep</td>
</tr>
<tr>
<td></td>
<td>1-Jun</td>
<td>5-Sep</td>
<td>20-Sep</td>
</tr>
<tr>
<td>Bowling Green</td>
<td>15-Mar</td>
<td>27-Jul</td>
<td>7-Aug</td>
</tr>
<tr>
<td></td>
<td>1-Apr</td>
<td>31-Jul</td>
<td>12-Aug</td>
</tr>
<tr>
<td></td>
<td>15-Apr</td>
<td>5-Aug</td>
<td>17-Aug</td>
</tr>
<tr>
<td></td>
<td>1-May</td>
<td>12-Aug</td>
<td>24-Aug</td>
</tr>
<tr>
<td></td>
<td>15-May</td>
<td>21-Aug</td>
<td>2-Sep</td>
</tr>
<tr>
<td></td>
<td>1-Jun</td>
<td>3-Sep</td>
<td>18-Sep</td>
</tr>
<tr>
<td>Henderson</td>
<td>15-Mar</td>
<td>27-Jul</td>
<td>8-Aug</td>
</tr>
<tr>
<td></td>
<td>1-Apr</td>
<td>1-Aug</td>
<td>13-Aug</td>
</tr>
<tr>
<td></td>
<td>15-Apr</td>
<td>6-Aug</td>
<td>18-Aug</td>
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<tr>
<td></td>
<td>1-May</td>
<td>14-Aug</td>
<td>25-Aug</td>
</tr>
<tr>
<td></td>
<td>15-May</td>
<td>23-Aug</td>
<td>4-Sep</td>
</tr>
<tr>
<td></td>
<td>1-Jun</td>
<td>5-Sep</td>
<td>20-Sep</td>
</tr>
<tr>
<td>Somerset</td>
<td>15-Mar</td>
<td>3-Aug</td>
<td>15-Aug</td>
</tr>
<tr>
<td></td>
<td>1-Apr</td>
<td>7-Aug</td>
<td>20-Aug</td>
</tr>
<tr>
<td></td>
<td>15-Apr</td>
<td>13-Aug</td>
<td>26-Aug</td>
</tr>
<tr>
<td></td>
<td>1-May</td>
<td>20-Aug</td>
<td>2-Sep</td>
</tr>
<tr>
<td></td>
<td>15-May</td>
<td>29-Aug</td>
<td>12-Sep</td>
</tr>
<tr>
<td></td>
<td>1-Jun</td>
<td>12-Sep</td>
<td>1-Oct</td>
</tr>
<tr>
<td>Spindletop Farm (near Lexington)</td>
<td>15-Mar</td>
<td>8-Aug</td>
<td>21-Aug</td>
</tr>
<tr>
<td></td>
<td>1-Apr</td>
<td>11-Aug</td>
<td>24-Aug</td>
</tr>
<tr>
<td></td>
<td>15-Apr</td>
<td>16-Aug</td>
<td>29-Aug</td>
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<tr>
<td></td>
<td>1-May</td>
<td>22-Aug</td>
<td>4-Sep</td>
</tr>
<tr>
<td></td>
<td>15-May</td>
<td>30-Aug</td>
<td>14-Sep</td>
</tr>
<tr>
<td></td>
<td>1-Jun</td>
<td>13-Sep</td>
<td>4-Oct</td>
</tr>
<tr>
<td>Covington</td>
<td>15-Mar</td>
<td>11-Aug</td>
<td>24-Aug</td>
</tr>
<tr>
<td></td>
<td>1-Apr</td>
<td>14-Aug</td>
<td>27-Aug</td>
</tr>
<tr>
<td></td>
<td>15-Apr</td>
<td>18-Aug</td>
<td>1-Sep</td>
</tr>
<tr>
<td></td>
<td>1-May</td>
<td>25-Aug</td>
<td>7-Sep</td>
</tr>
<tr>
<td></td>
<td>15-May</td>
<td>2-Sep</td>
<td>17-Sep</td>
</tr>
<tr>
<td></td>
<td>1-Jun</td>
<td>15-Sep</td>
<td>7-Oct</td>
</tr>
</tbody>
</table>

**Source:** Date to reach black layer based on an average of growing degree day calculations for each year from 1995 through 2004 from the University of Kentucky Agricultural Weather Center.

**Soybean Growth**

<table>
<thead>
<tr>
<th>Growth Stage</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>VE</td>
<td>emergence</td>
</tr>
<tr>
<td>VC</td>
<td>cotyledon</td>
</tr>
<tr>
<td>V1</td>
<td>1st trifoliolate (the edges of the leaflets are no longer touching)</td>
</tr>
<tr>
<td>V2</td>
<td>2nd trifoliolate</td>
</tr>
<tr>
<td>V3</td>
<td>3rd trifoliolate</td>
</tr>
<tr>
<td>V(n)</td>
<td>nth trifoliolate</td>
</tr>
<tr>
<td>R1</td>
<td>beginning bloom</td>
</tr>
<tr>
<td>R2</td>
<td>full bloom</td>
</tr>
<tr>
<td>R4</td>
<td>full pod</td>
</tr>
<tr>
<td>R5</td>
<td>beginning seed</td>
</tr>
<tr>
<td>R6</td>
<td>full seed</td>
</tr>
<tr>
<td>R7</td>
<td>beginning maturity</td>
</tr>
<tr>
<td>R8</td>
<td>full maturity</td>
</tr>
</tbody>
</table>

Soybeans in Kentucky will often have 4 to 7 fully emerged leaves on the main stem before flowering.

- R1: one flower on any node on the main stem
- R2: one flower on the main stem at one of the two uppermost nodes with a fully developed leaf
- R4: one pod is ¾ inches long at one of the four uppermost nodes on the main stem with a fully developed leaf
- R5: seed is 1/8 inches long at one of the four uppermost nodes on the main stem with a fully developed leaf
- R6: pod containing a green seed that fills the pod cavity at one of the four uppermost nodes on the main stem with a fully developed leaf
- R7: one pod on the main stem has reached mature pod color about 95% of the yield is complete at this stage
- R8: 95% of pods have reached mature color


### Converting from seeds per acre to seeds per foot and vice versa

<table>
<thead>
<tr>
<th>Seeds per:</th>
<th>Row Width (inches)</th>
<th>Acre</th>
<th>Seeds per foot of row</th>
</tr>
</thead>
<tbody>
<tr>
<td>80,000</td>
<td>30</td>
<td>4.6</td>
<td>3.1</td>
</tr>
<tr>
<td>100,000</td>
<td>20</td>
<td>5.7</td>
<td>3.8</td>
</tr>
<tr>
<td>120,000</td>
<td>15</td>
<td>6.9</td>
<td>4.6</td>
</tr>
<tr>
<td>140,000</td>
<td>7.5</td>
<td>8.0</td>
<td>5.4</td>
</tr>
<tr>
<td>160,000</td>
<td>7.0</td>
<td>9.2</td>
<td>6.1</td>
</tr>
<tr>
<td>180,000</td>
<td>10.3</td>
<td>10.3</td>
<td>6.9</td>
</tr>
<tr>
<td>200,000</td>
<td>11.5</td>
<td>11.5</td>
<td>7.7</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Foot of row</th>
<th>Plants per acre</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>17,424</td>
</tr>
<tr>
<td>2</td>
<td>34,848</td>
</tr>
<tr>
<td>3</td>
<td>52,272</td>
</tr>
<tr>
<td>4</td>
<td>69,696</td>
</tr>
<tr>
<td>5</td>
<td>87,120</td>
</tr>
<tr>
<td>6</td>
<td>104,544</td>
</tr>
<tr>
<td>8</td>
<td>139,392</td>
</tr>
<tr>
<td>10</td>
<td>174,240</td>
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</tbody>
</table>
### Typical First and Last Occurrences of 32°F in Kentucky

<table>
<thead>
<tr>
<th>Location</th>
<th>Coordinates (*)</th>
<th>Date of First Fall Frost*</th>
<th>Date of Last Spring Frost*&lt;sup&gt;a,b&lt;/sup&gt;</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Median  Early 10% 90% Late</td>
<td>Median  Early 10% 90% Late</td>
</tr>
<tr>
<td>Ashland</td>
<td>38.47N 82.63W</td>
<td>10/16 9/08 10/22 11/03 1/01</td>
<td>5/04 4/11 4/14 5/11 6/12</td>
</tr>
<tr>
<td>Carollton</td>
<td>38.65N 85.17W</td>
<td>10/19 10/03 10/06 11/02 11/08</td>
<td>4/21 4/03 4/08 5/05 5/10</td>
</tr>
<tr>
<td>Covington</td>
<td>39.01N 84.51W</td>
<td>10/19 10/02 10/04 11/02 11/08</td>
<td>4/21 3/26 4/10 5/06 5/10</td>
</tr>
<tr>
<td>Farmers</td>
<td>38.15N 83.54W</td>
<td>10/15 9/21 10/03 11/02 11/08</td>
<td>5/02 4/04 4/11 5/15 5/27</td>
</tr>
<tr>
<td>Leitchfield</td>
<td>37.46N 86.29W</td>
<td>10/18 10/03 10/05 11/06 11/08</td>
<td>4/19 3/22 4/04 5/08 5/11</td>
</tr>
<tr>
<td>Lexington</td>
<td>38.03N 84.44W</td>
<td>10/25 10/02 10/07 11/09 11/13</td>
<td>4/18 3/26 4/04 5/03 5/10</td>
</tr>
<tr>
<td>Mayfield</td>
<td>36.72N 88.64W</td>
<td>10/20 10/02 10/06 11/06 11/12</td>
<td>4/15 3/24 4/05 4/26 5/05</td>
</tr>
<tr>
<td>Somerset</td>
<td>37.08N 84.61W</td>
<td>10/13 10/03 10/04 10/31 11/05</td>
<td>4/22 3/22 4/07 5/10 5/27</td>
</tr>
<tr>
<td>Williamsburg&lt;sup&gt;c&lt;/sup&gt;</td>
<td>36.74N 84.17W</td>
<td>10/19 9/26 10/04 11/07 11/13</td>
<td>4/22 4/04 4/08 5/10 5/27</td>
</tr>
</tbody>
</table>

* Temperatures are recorded by the University of Kentucky Agricultural Weather Service at 5 feet above ground and based on 30 years of data from 1961 to 1990.

<sup>a,b</sup> Median = date directly between the earliest and latest date of observed last occurrence; Early = earliest date recorded for last occurrence; 10% = date for last occurrence in one out of 10 years; 90% = date for last occurrence in nine out of 10 years; Late = latest date recorded for last occurrence.

<sup>c</sup> 28 years of data.

Source: University of Kentucky Agricultural Weather Center, Kentucky Climate Analysis, URL: http://wwwagwx.ca.uky.edu/analysis2/.

The printing of the publication was funded through the University of Kentucky Integrated Pest Management program.