This publication is a checklist of things growers should do as they plan for using cover crops in their operation. It is a companion to Managing Cover Crops: An Introduction to Integrating Cover Crops Into a Corn-Soybean Rotation (Purdue Extension publication AY-353-W) and Managing Cover Crops: Cover Crops for Modern Cropping Systems (AY-352-W) available from the Education Store (www.edustore.purdue.edu).

It is best to use this checklist in conjunction with the Midwest Cover Crops Field Guide, second edition (ID-433). The page numbers in the checklist below refer you to the guide for more information.

**Initial Considerations**

Before planting cover crops, you should:

- Determine the goal(s) for your cover crop (pages 7-10)
- Consider your current cash crop and following year cash crop (pages 11-14, 41-43, 44-45):
  - Consider C:N ratios of the cover crop (crop compatibility and N availability for next year's cash crop)
  - Consider the timing of fall harvest and spring planting (time window for cover crop growth)
  - Decide if you want a cover crop that winter kills or one that grows again in spring
- Consider your current herbicide program with respect to potential carryover (pages 29-35)
- Determine how you will seed the cover crop (pages 18-24):
  - Decide whether you will drill or split-row plant after harvest
  - Determine whether you will use broadcast seeding with or without shallow incorporation
  - Consider if aerial seeding/high-clearance equipment seeding into a standing cash crop is an effective option
  - Select cover crop(s) and seeding rates, to match your seeding method, timing, and subsequent cash crop
  - Arrange for seeding services, if needed
  - Order seed in advance!

**Late Summer/Fall**

In the late summer and fall, be sure to:

- Seed the cover crop at the appropriate time

**Winter**

Over the winter:

- Consider whether you need to modify your herbicide program based on weed challenges and desired cover crops for the following year (pages 26-28, 29-35)

**Spring**

In the spring, be sure to:

- Observe fields for cover crop growth
- Watch the weather and be ready to modify when you terminate covers (pages 48-49)
- Scout the field for pests. If necessary, consider chemical control of pests at termination. For effective control, you must kill insect pests when they are small; large insects are difficult to kill and often move to adjacent fields (as is the case with armyworm caterpillars) (pages 36-39)
- Terminate cover crops at appropriate time (consider cash crop, cover crop, wet vs. dry spring, etc.)
- Allow a “host-free period” between the cover crop and the cash crop to starve any pests that may be left in the field after you kill the cover crop — two weeks is ideal
- Seed the cash crop, ensuring proper planter adjustments to provide seed slot closure
- Monitor for pests or incomplete termination of cover crop
Resources

**Managing Cover Crops: An Introduction to Integrating Cover Crops Into a Corn-Soybean Rotation**


This publication (Purdue Extension publication AY-353-W) outlines an introductory approach to integrating cover crops into a corn-soybean cropping system.

**Managing Cover Crops: Cover Crops for Modern Cropping Systems**


This publication (Purdue Extension publication AY-352-W) describes the benefits and considerations of using cover crops in today's agricultural rotations.

**Midwest Cover Crops Council**

www.mccc.msu.edu

This website includes cover crops selector tools that allow you to choose your county and get seeding dates for each cover crop. There is a tool for agronomic crops for many states, plus a tool for vegetable crops for Michigan. You can also get seeding rates by reading the information sheet about your cover crop of choice. The website includes a wealth of other information about cover crops from around the Midwest.

**Midwest Cover Crops Field Guide, second edition**


This pocket guide (Purdue Extension publication ID-433) was produced by the MCCC and the Purdue Crop Diagnostic Training and Research Center. The guide contains more detailed information about selecting and managing cover crops and describes common cover crops for our region. The descriptions also include ranges of cover crop seeding rates.

**Terminating Cover Crops: Successful Cover Crop Termination with Herbicides**


As the title suggests, this publication (Purdue Extension publication WS-50-W) describes how producers can effectively terminate cover crops with herbicides to prevent them from becoming weeds in the cash crop.

**Herbicide Carryover Table**

Available from Penn State University Extension, extension.psu.edu/plants/crops/soil-management/cover-crops/herbicide-persistence/herbicide-carryover-table.

Although published by Penn State, this table includes information that would fit Indiana.

**Agronomy Technical Note: Recommended Cover Crop Seeding Methods and Tools**


This excellent publication describes cover crop seeding methods that can be used in Indiana and similar Midwest states.

Reference to products in this publication is not intended to be an endorsement to the exclusion of others that may be similar. Individuals using such products assume responsibility for their use in accordance with current directions of the manufacturer. ©2015 by Purdue Extension. All rights reserved.