

## References for Cover Crops 8/2022

Managing Cover Crops Profitably. SARE <https://www.sare.org/wp-content/uploads/Managing-Cover-Crops-Profitably.pdf>

Free publication, LOTS of general and specific information. Aimed at farmers, but good information for gardeners. **The charts starting on page 62 are outstanding, showing reasons to select various crops and specific planting information.**

Clemson Cooperative Extension. Home and Garden Information Center.

[Cover Crops in Raised Beds](#). Aug. 26, 2021

Includes photos of mixed cover crops in raised beds over a three-month period.

Clemson Cooperative Extension. Home and Garden Information Center.

[Cover Crops: Factsheet](#). August 21, 2017.

**Includes a list of suggested cover crops (for South Carolina), along with their sowing/termination information, including seed quantities.**

Buncombe County Master Gardeners. Winter Rye Cover Crops and Why I Love Them.

<https://www.buncombemastergardener.org/tag/winter-rye/>

NCSU Winter Annual Cover Crops

<https://content.ces.ncsu.edu/winter-annual-cover-crops#:~:text=Winter%20annual%20cover%20crops%20are,pea%2C%20and%20Cahaba%20white%20vetch.>

NCSU Summer Cover Crops

<https://content.ces.ncsu.edu/summer-cover-crops>

Cover Crop Comparison Chart with **seeding information**. Reprinted on next page.

<https://www.johnnyseeds.com/on/demandware.static/-/Library-Sites-JSSSharedLibrary/default/dw30868e1c/assets/information/farm-seed-comparison-chart.pdf>

Michigan State University. In the Weeds podcasts.

[Can You Help Me With My Cover Crop?](#) May 26, 2020. 18.42 minutes.

[The Modern Day Cover Crop](#). January 10, 2020. 40 minutes.

Purdue University. Department of Horticulture and Landscape Architecture.

[Cover Crops in the Home Garden](#). December 2020.

Southern Cover Crops Council.

[Cover Crop Information Sheets – Vegetables – Mountains, Ridge and Valley, Piedmont](#)

## FARM SEED COMPARISON CHART

Crop Type	Sowing Season	Minimum Germ. Temp.	Hardiness Zone	Growth Rate	Sow Per 1,000 sq.ft.	Sow Per Acre	Seeding Depth	Nitrogen Fixation	Bees/Beneficial Insects	Compaction Control	Erosion Control	Weed Suppression	Green Manure	Forage	Biomass (Organic Matter)
Alfalfa, Summer	Early Spring to Late Summer	45°F (7°C)	NFT	Fast	1/2 Lb.	15–25 Lb.	1/4–1/2"	●	●	●		●		●	●
Barley	Early Spring to Late Summer	38°F (3°C)	7	Fast	2 Lb.	80–125 Lb.	3/4–2"					●	●		●
Buckwheat	Spring to Summer	50°F (10°C)	NFT	Fast	2–3 Lb.	50–90 Lb.	1/2–1 1/2"		●			●	●		
Clover, Crimson	Anytime	45°F (7°C)	7	Medium	2/3 Lb.	22–30 Lb.	1/4–1/2"	●	●		●	●	●	●	
Clover, Mammoth Red	Anytime	41°F (5°C)	4	Fast	1/2 Lb.	5–15 Lb.	1/4–1/2"	●	●	●	●	●	●	●	
Clover, Medium Red	Anytime	41°F (5°C)	4	Medium	1/2 Lb.	5–15 Lb.	1/4–1/2"	●	●	●	●	●	●	●	
Clover, New Zealand White	Spring to Summer	40°F (4°C)	4	Slow	1/4 Lb.	5–15 Lb.	1/4–1/2"	●	2Y		●	●	●	●	
Clover, Sweet	Spring to Summer	42°F (6°C)	4	Medium	1/2 Lb.	10–20 Lb.	1/4–1"	●	2Y	●	●	●	●	●	●
Manure Mix, Fall Green	Summer to Fall	45°F (7°C)	Various	Medium	1 1/2 Lb.	50 Lb.	1/2–1 1/2"	●	●			●	●		●
Manure Mix, Spring Green	Spring to Summer	38°F (3°C)	Various	Medium	5 Lb.	200 Lb.	1/2–1 1/2"	●				●	●		●
Mustard	Spring to Summer	40°F (4°C)	7	Fast	1 Lb.	15–20 Lb.	1/4–3/4"		●		●	●	●	●	●
Oats, Common	Spring to Summer	38°F (3°C)	8	Medium	4 Lb.	110–140 Lb.	1/2–1 1/2"				●	●	●		●
Oats, Hulless	Spring	38°F (3°C)	8	Medium	4 Lb.	110–140 Lb.	1/2–1 1/2"				●	●	●		●
Peas and Oats Mix	Spring or Fall	41°F (5°C)	8	Medium	5 Lb.	120–200 Lb.	1 1/2–2"	●			●	●	●		●
Peas, Field	Spring or Fall	41°F (5°C)	7	Fast	3 Lb.	120 Lb.	1 1/2–3"	●				●	●		●
Radish, Oilseed	Late Summer	45°F (7°C)	6	Fast	1 Lb.	10–20 Lb.	1/4–1/2"			●	●	●			
Rye, Winter	Anytime (Fall for Grain)	34°F (1°C)	3	Medium	4 Lb.	60–120 Lb.	3/4–2"				●	●	●		●
Ryegrass	Anytime	40°F (4°C)	6	Fast	1 Lb.	40 Lb.	0–1/2"				●	●	●		●
Sunflower	Spring	70°F (21°C)	NFT	Medium	1,500 seeds	20,000 seeds	1/2–1"		●						●
Vetch, Hairy	Anytime	60°F (16°C)	4	Slow	1 Lb.	25–40 Lb.	1/2–1 1/2"	●	2Y		●		●		
Wheat, Spring	Early Spring	38°F (3°C)	7	Fast	4 Lb.	60–150 Lb.	1/2–1 1/2"				●	●			

<sup>1</sup> NFT = Not Frost Tolerant. <sup>2</sup> 2Y = 2nd Year