

JANUARY 2025

Growing



GREAT *Garlic*

By Hillside Harvest Farm



*Let's get right
into it!*



Garlic Selection

SOFTNECK



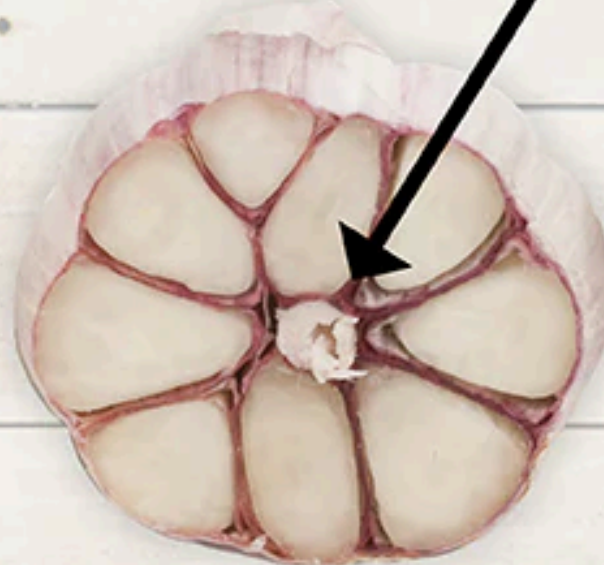
Artichoke

9-16 CLOVES

Off white or
tan sheath.

Braidable stems.

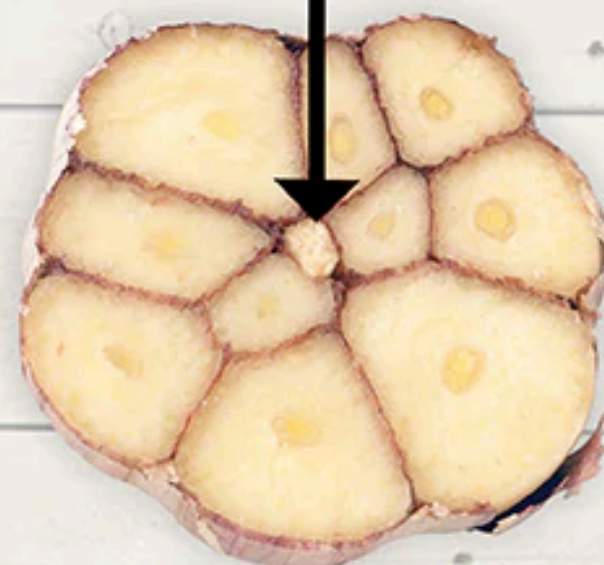
HARDNECKS



Rocambole

6-10 CLOVES

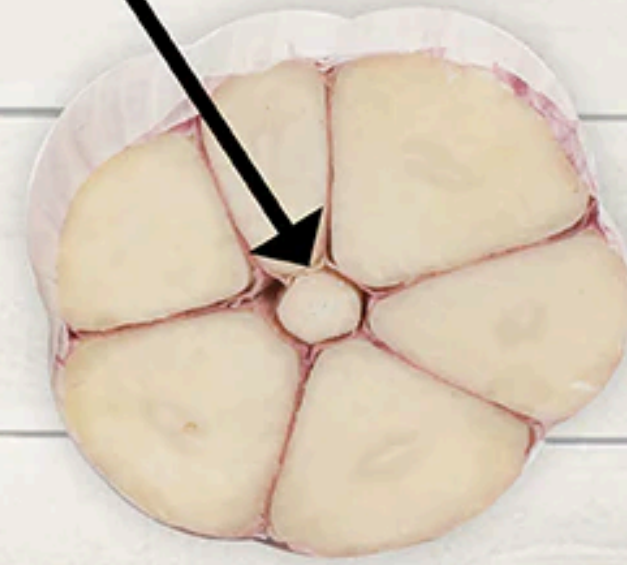
White or dull
brown sheath.



Purple Stripe

5-10 CLOVES

Marbled or striped
light to dark
purple sheath.



Porcelain

4-7 CLOVES

White with hues
of pink or light
purple sheath.

Where to Source?

*Local Farmer's
Markets*



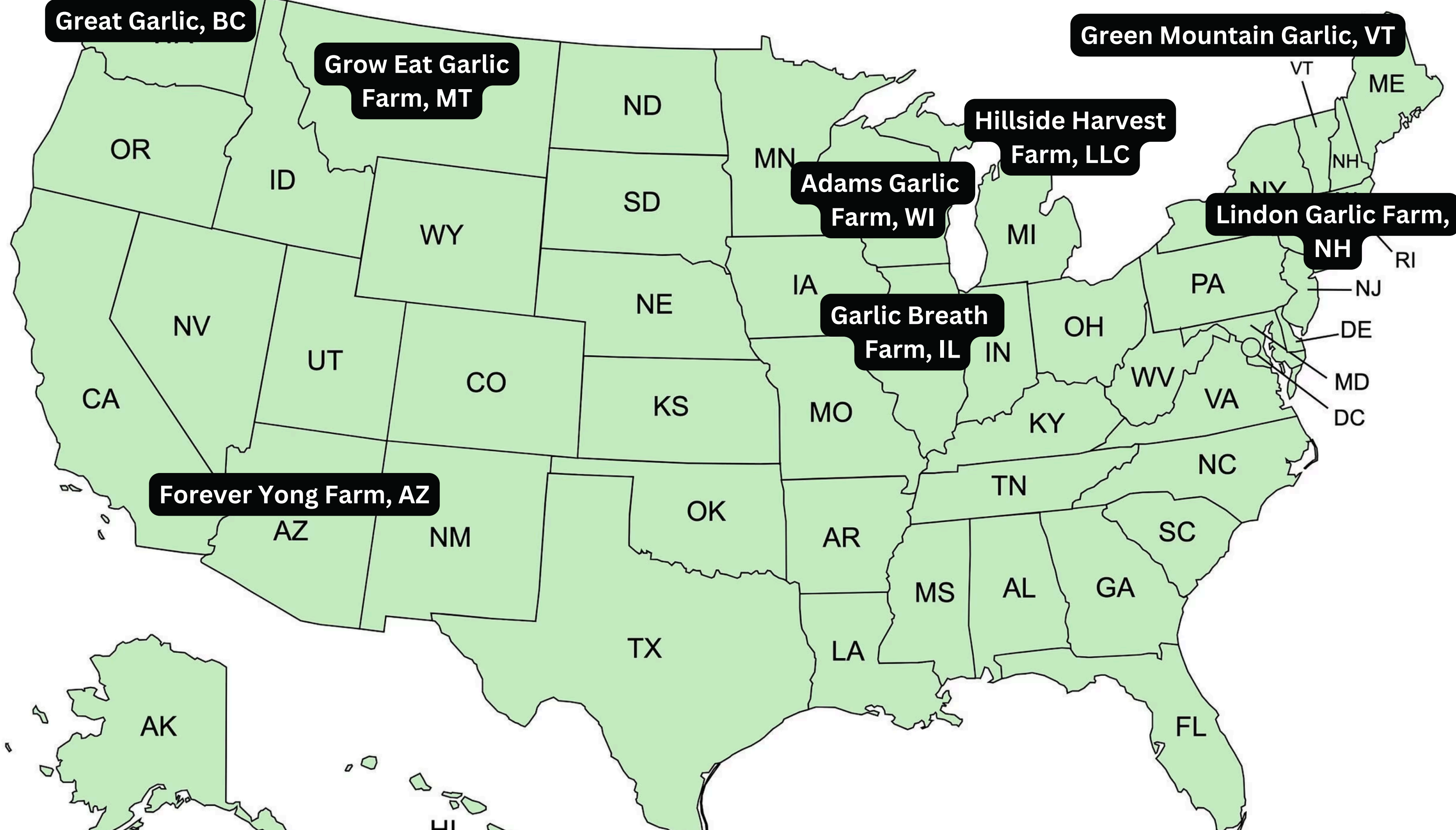
*Regional Garlic
Seed Suppliers
that test their
garlic*

What Varieties are Best?

*Hardneck:
Colder Climates*



*Softneck:
Warmer
Climates*



Great Garlic, BC

Green Mountain Garlic, VT

Grow Eat Garlic Farm, MT

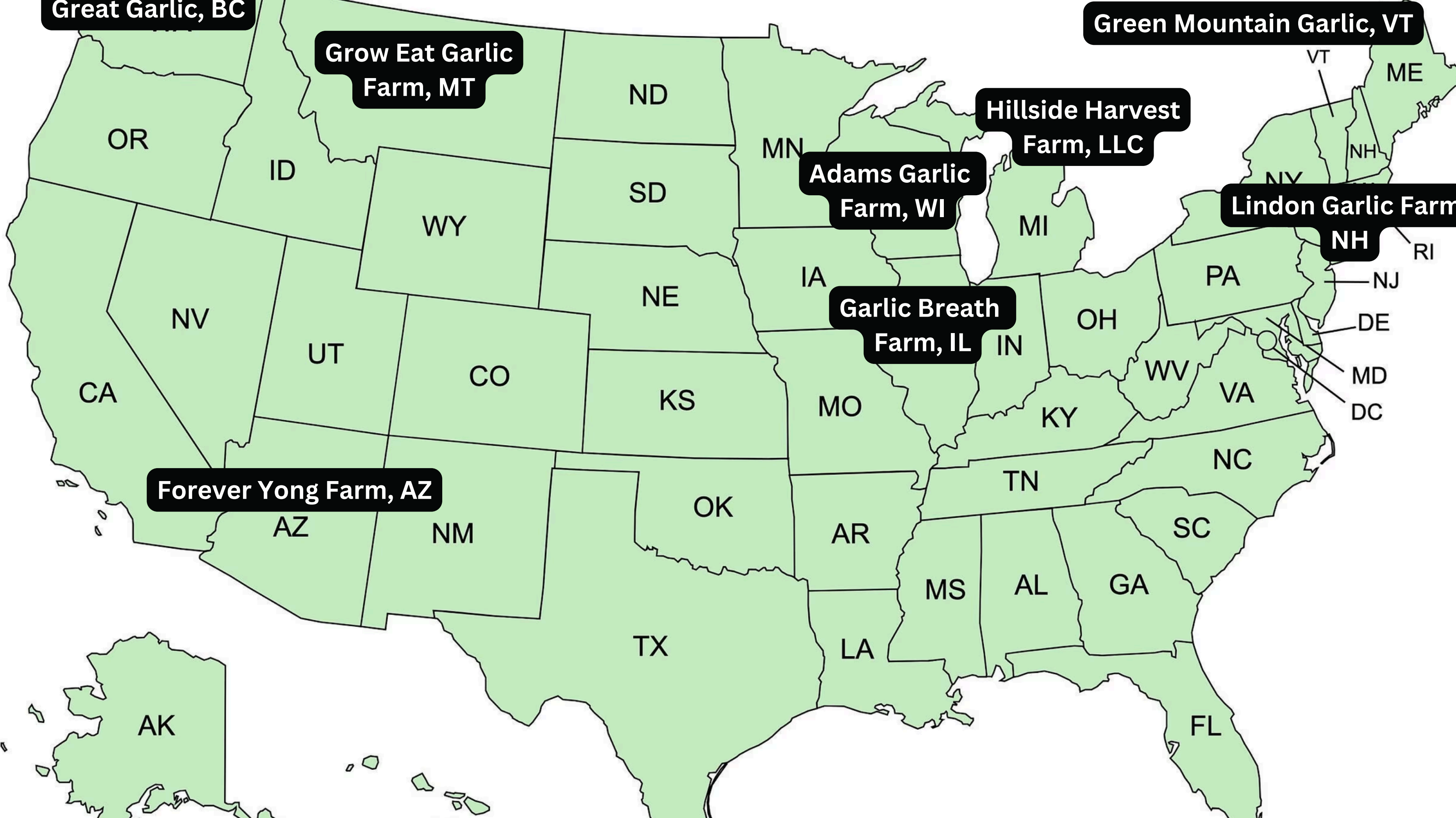
Hillside Harvest Farm, LLC

Adams Garlic Farm, WI

Lindon Garlic Farm, NH

Forever Yong Farm, AZ

Garlic Breath Farm, IL



**Marbled Purple Stripes:
Russian Red, Estonian Red
and Khabar**

Music, Montana Giant

**Music, German xtra hardy
Chesnok Red**

**Music, Georgian Fire
German Extra Hardy**

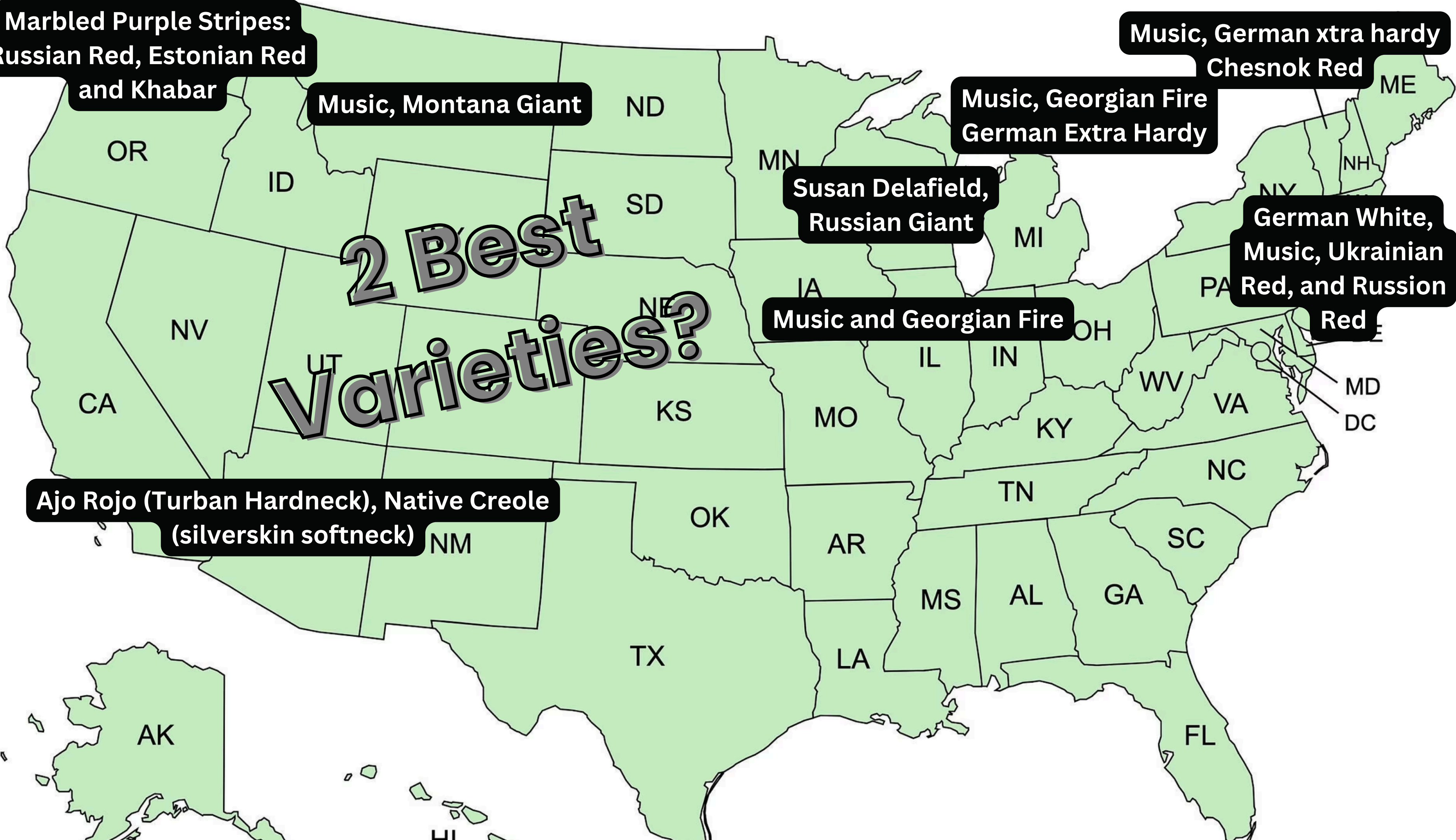
**Susan Delafield,
Russian Giant**

**German White,
Music, Ukrainian
Red, and Russian
Red**

Music and Georgian Fire

**Ajo Rojo (Turban Hardneck), Native Creole
(silverskin softneck)**

2 Best Varieties?



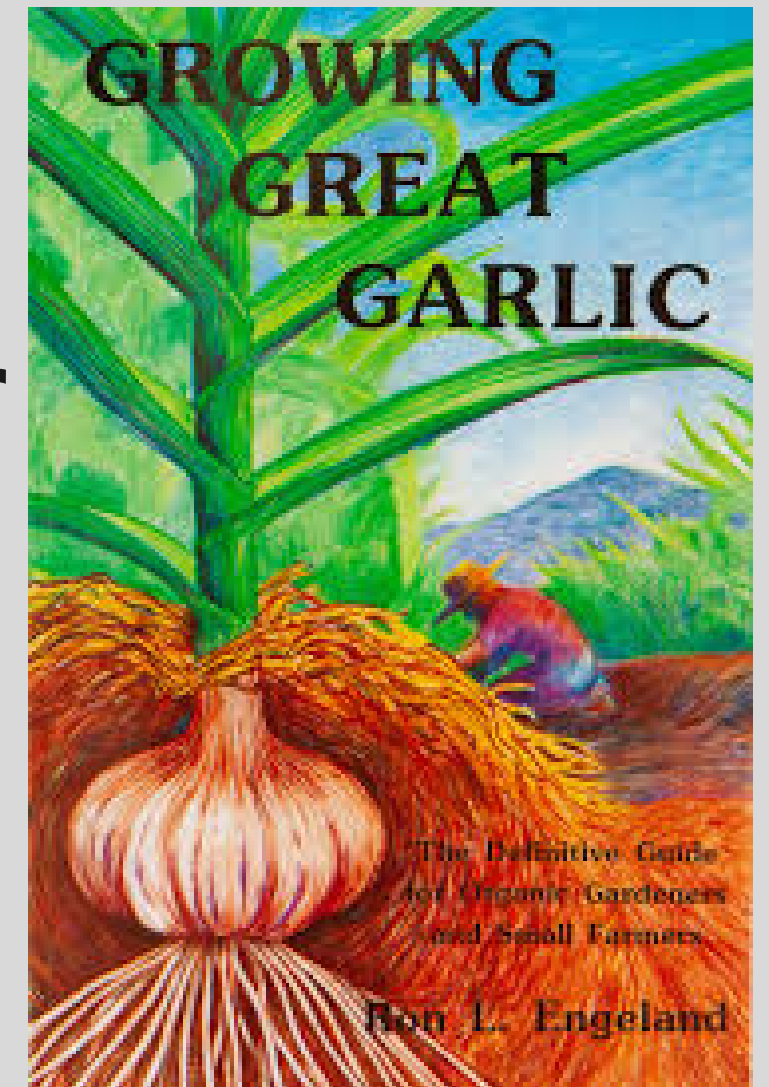
Cover Crops



Filaree Garlic Farm

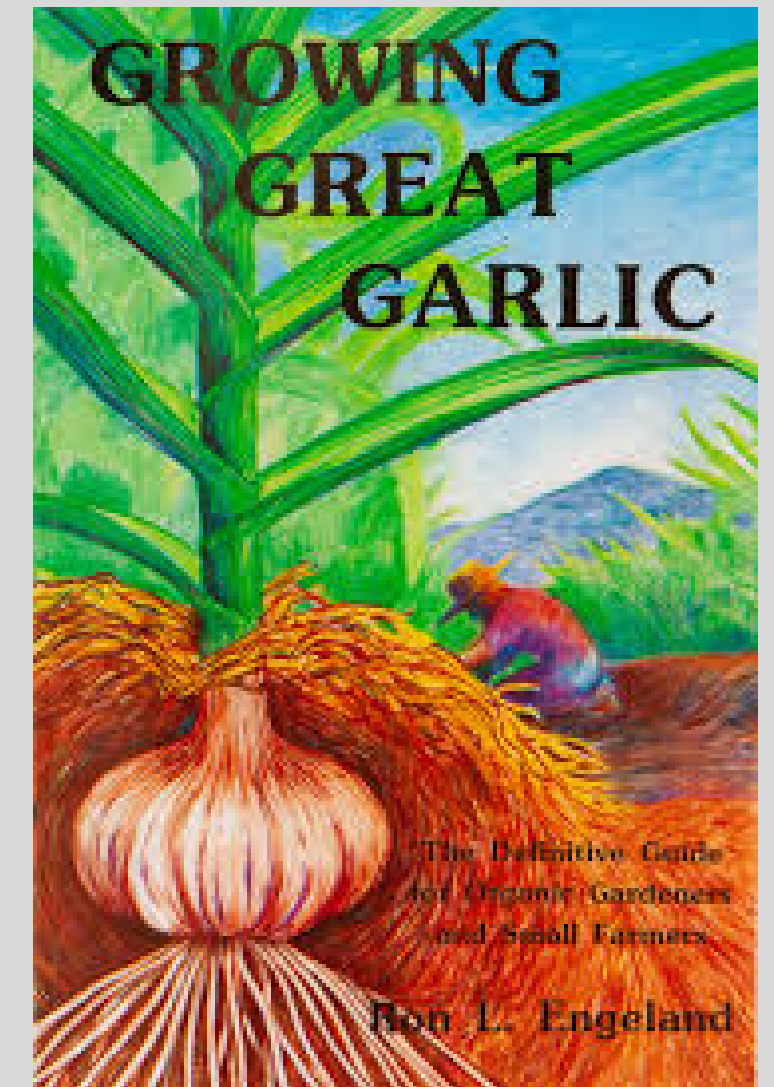
Cover Crop method

- **Mid-September (yr. 1)**
 - Rye grain/red clover/fescue
 - Mow early spring and all summer
 - Till in Early-September
- **Mid-September (yr 2)**
 - Winter rye
 - Till in April



Filaree Garlic Farm Cover Crop method

- **April**
 - **Spring Oats**
- **Summer**
 - **2 Successive crops of Buckwheat**
- **October**
 - **Plant Garlic!**



Buckwheat, Mustard, Field Peas, Rye Grass, Sun Hemp

Buckwheat, Oats, Hairy Vetch, Clover

Clover, mallow, cosmos, alfalfa

Pasture mix, Oats/peas, Teff Grass

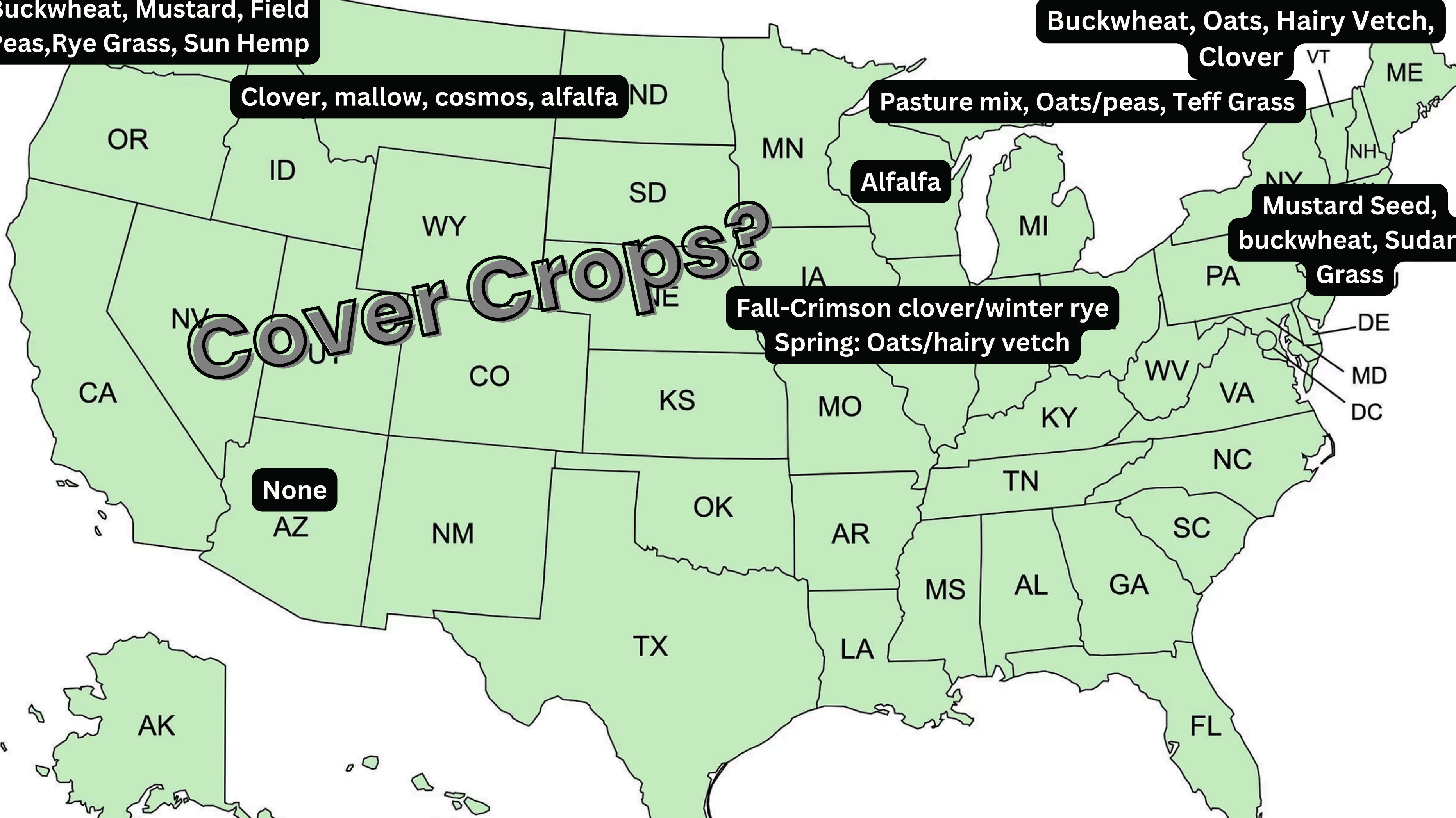
Alfalfa

Mustard Seed, buckwheat, Sudan Grass

**Fall-Crimson clover/winter rye
Spring: Oats/hairy vetch**

None

COVER CROPS?



Field Preparation

- **Rotation: 3-4 year rotation**
 - **Between years is planted in pasture mix for sheep to graze**
 - **Per acre**
 - **2# Timothy Grass**
 - **6# Ladino Clover**
 - **4# Red Clover**
 - **1# Chicory**
 - **2# Dutch White Clover**
 - **4# Orchard Grass**
 - **6# Rye Grass**



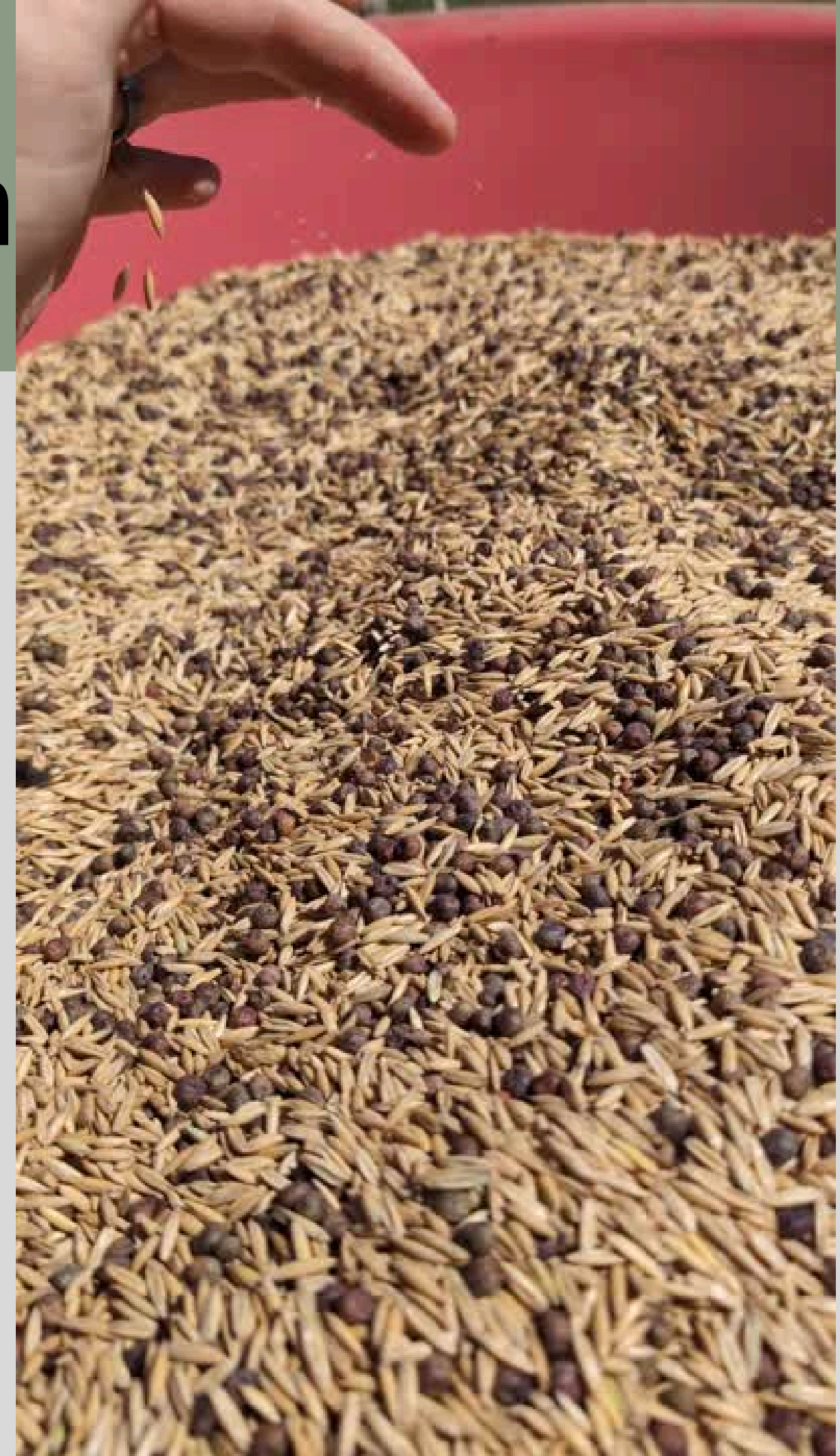
Pasture Mix





Field Preparation

The spring before
garlic planting
we plant a **pea/oat** mix



Field Preparation

End of June

Plow in Oats/Peas
Plant

Teff Grass

or

**Sorghum Sudan
Grass**



Field Preparation

July/August

Soil Test!

What soil does garlic like?

- PH 6.0 – 7.0
- Well-drained soil
- Nutrient-dense



**Soil Test: Abbotsford BC
Test Mid March and post
harvest**

**Ammdments: 3-4 in.
Fresh compost on raised
beds 4 weeks before
planting. top dress as
needed.**

**Soil Test: Frequently
Ammdments: Compost**

Soil Test: Through Univ. of Maine

**Soil Test: Yearly
Ammdments: Feather Meal
Dairy Doo,
Liquid fish emulsion/kelp**

**Soil Test: Yearly
Ammdments: As needed +nitrogen**

**Soil Test: Yearly
Ammdments:
Compost**

Soil Testing/Amending Methods

**Soil Test: Yearly
County farm Bureau**

**Soil test: Every few years
Ammdments: As soil test company recommends**

AK

HI

TX

LA

MS

AL

GA

SC

NC

WV

VA

MD

DC

KY

MO

KS

OH

PA

**Soil Test: Yearly
County farm Bureau**

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Fertilizer



- Recommended/acre
 - 125lbs nitrogen (3#/1000ft²)
 - 150lbs Phosphorous (4#/1000ft²)
 - 150lbs Potassium (4#/1000ft²)
 - 30lbs Sulfur/acre (1#/1000ft²)
- May apply 1/3rd of conventional fertilizer in the fall, and 2/3rds in the early spring

Fertilizer



- If using Compost
 - apply in the fall
 - Fall application allows the nutrients to break down and become readily available to plants in the spring,

Calculating Nitrogen/acre



- Compost 1-1-1 bag
 - $1000\text{lbs} \times 0.01 = 10\text{lbs}$ of Nitrogen/acre
- Pelleted Fertilizer 10-0-4
 - $1000\text{lbs} \times 0.10 = 100\text{lbs}$ nitrogen/acre

Field Preparation

End of September

Turn in grasses
and
fertilize according to
your soil test



Planting



Planting

After discing then
shape the beds



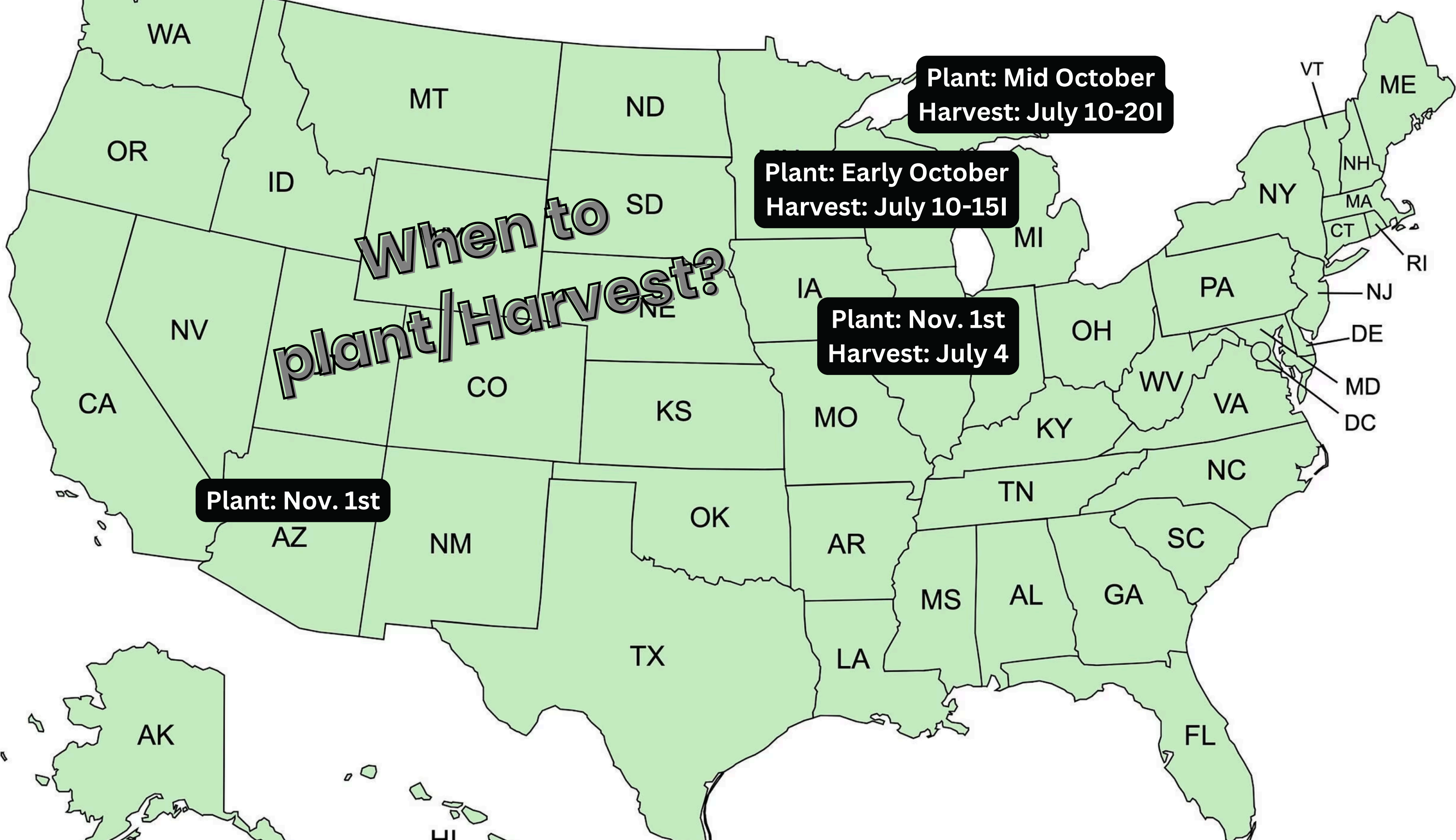
Beds should be 30in.
wide (for 3 rows)

Garlic Bulbs 6-8in.
apart



Planting





When to plant/Harvest?

**Plant: Mid October
Harvest: July 10-20**

**Plant: Early October
Harvest: July 10-15**

**Plant: Nov. 1st
Harvest: July 4**

Plant: Nov. 1st

Planting

Break open garlic bulbs

- Do this carefully as to not bruise the clove
- Plant the largest cloves



Pre-soaking!

Supplies

- Bucket
- Laundry bag



Planting

Fertilizer mix formulas

- **Fish Emulsion or liquid seaweed fertilizer**
mixed with water (according to fertilizer directions)

- **Fish Emulsion or liquid seaweed fertilizer**
(mixed with water)
- **1 tsp baking soda**
(per gallon of water)

**Soak for
12-24 hours!**



Planting

Sterilization mix options

- 70% rubbing alcohol (don't dilute)
- Cheap Vodka (Don't dilute)
- 3:1 solution of water to 3% hydrogen peroxide

**Soak for
15 minutes!**

**Then pull them from the
bucket and plant them
immediately!**

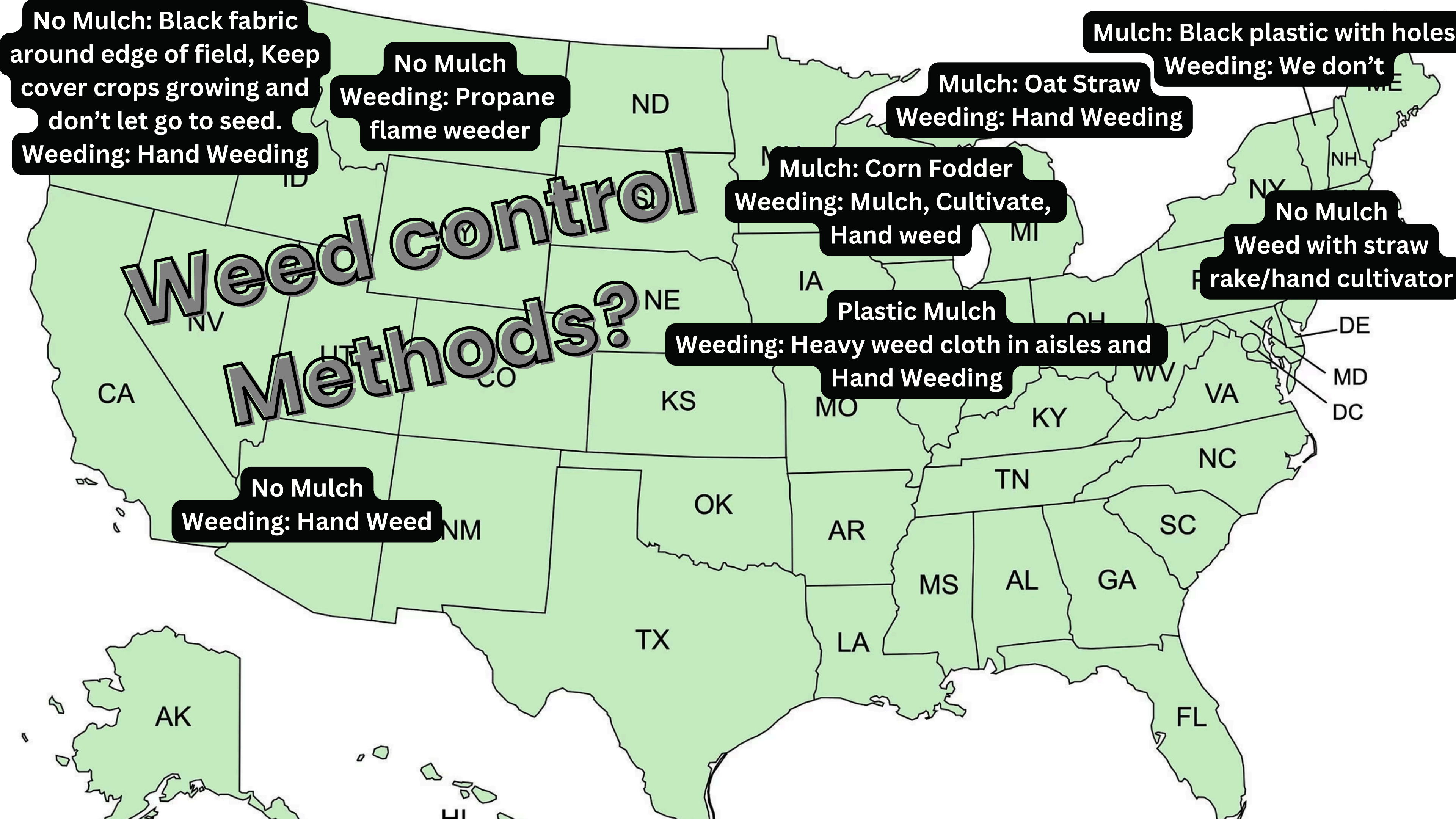


Planting

Once cloves are pulled from sterilization mixture

- Let them drain in bag
- Pour them into another bucket
- Plant them Pointy side up
- top of clove is only 1-2 in. below the soil





No Mulch: Black fabric around edge of field, Keep cover crops growing and don't let go to seed. Weeding: Hand Weeding

No Mulch Weeding: Propane flame weeder

Mulch: Oat Straw Weeding: Hand Weeding

Mulch: Black plastic with holes Weeding: We don't

Mulch: Corn Fodder Weeding: Mulch, Cultivate, Hand weed

No Mulch Weed with straw rake/hand cultivator

Plastic Mulch Weeding: Heavy weed cloth in aisles and Hand Weeding

No Mulch Weeding: Hand Weed

Weed control Methods?

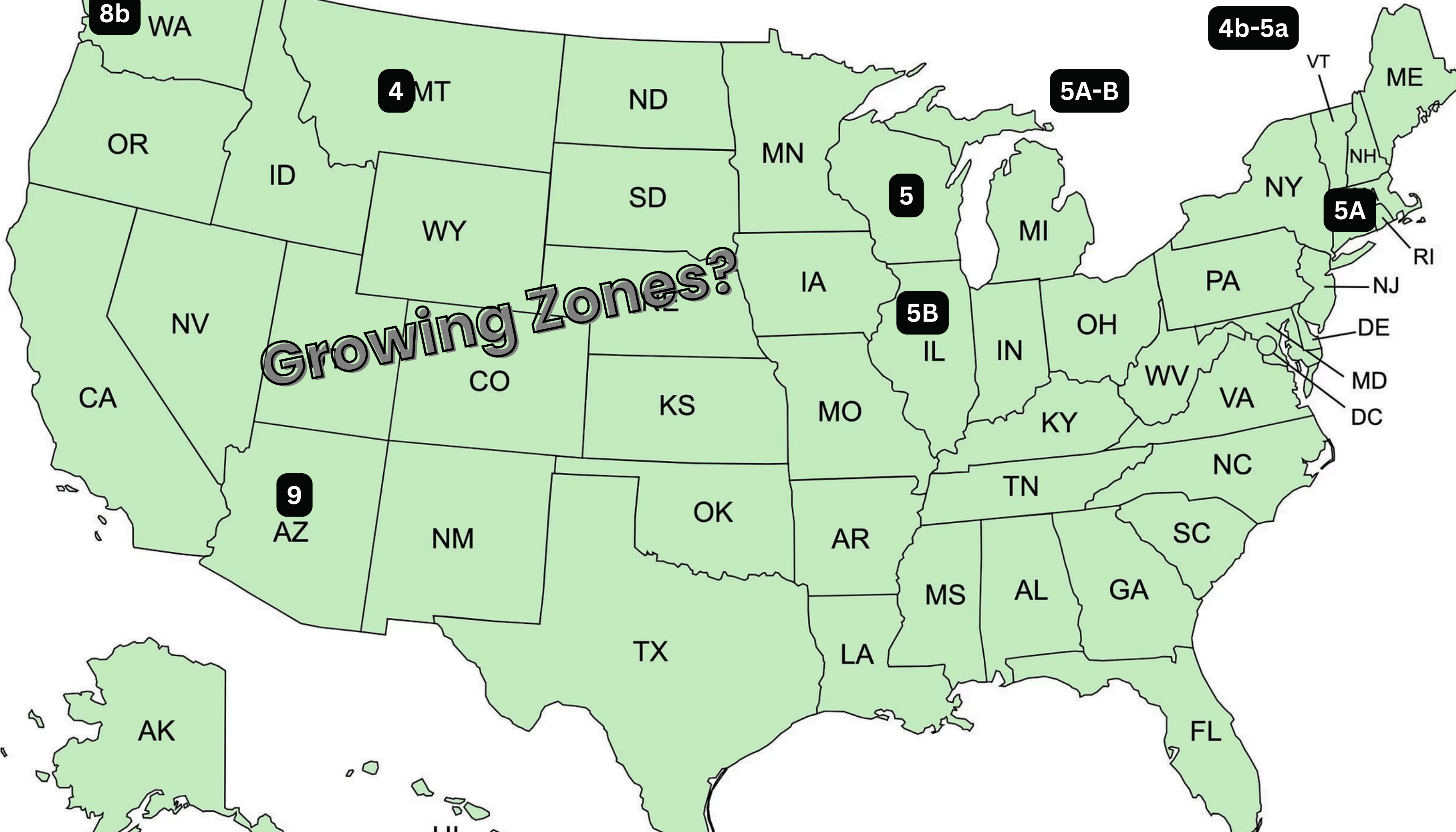
Planting

Mulch

- Oat Straw (Oats die when temperature drops below 15F)
- Corn Fodder
- Plastic Weed barrier



Growing Zones?



8b WA

4b-5a

4 MT

5A-B

5

5A

5B

9

AZ

AK

OR

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MN

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Growing Zones?

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Spring Fertilization?

- High Nitrogen in the early spring
 - Stop Nitrogen fertilizer by the end of May
 - No more than 50lbs/acre
- Types of spring fertilizer
 - Pelleted fertilizer (blood meal/pelleted chicken manure)
 - Side dress or broadcast
 - Fish Emulsion/kelp mixture



Spring Fertilization?

- Fish Emulsion/kelp mixture
- Spray on field with sprayer every 2 weeks until end of May
 - appr. 4 applications
- Avoid high-nitrogen fertilizer after May



Spring Fertilization?



WWW.BLOOM.CITY

Alaskan
Salmon
Fish Fertilizer

TikTok
@hillsideharvestfarm

Wild Alaskan Salmon Fertilizer
Bloom City's Wild Alaskan Salmon Fertilizer is made with sustainably harvested salmon that are gently processed to retain vital nutrients, making it the highest quality fish fertilizer in the world. Our Salmon Fertilizer is naturally rich in amino acids, omega-3 fatty acids, and essential proteins that plants and beneficial microorganisms thrive on.

The richest growing fertilizer your plants will love. Great for all gardens!

Use Guide:
This fertilizer is made with bones so use within 2 hours of mixing during vegetative stage.
... for your lawn & soil garden during flowering stage.
... for tomato & fruit garden.

Storage:
Keep fertilizer in cool, dry place. Seal tightly after each use.

MADE IN
ALASKA &
CANADA

MADE FROM
FOOD
GRADE



How much Water?

- 1 inch of water/week



Harvest



Garlic Scapes

- Harvest them once they have done a 360 deg. turn
- Harvest is typically early-mid June (Depending on region).
- Garlic is ready to be harvested 3-4 weeks later.



Harvest

Why Pull Garlic Scapes?

- Garlic bulbs will grow **30% larger**
- Garlic Scapes are a great addition to salads and grilled vegetables.



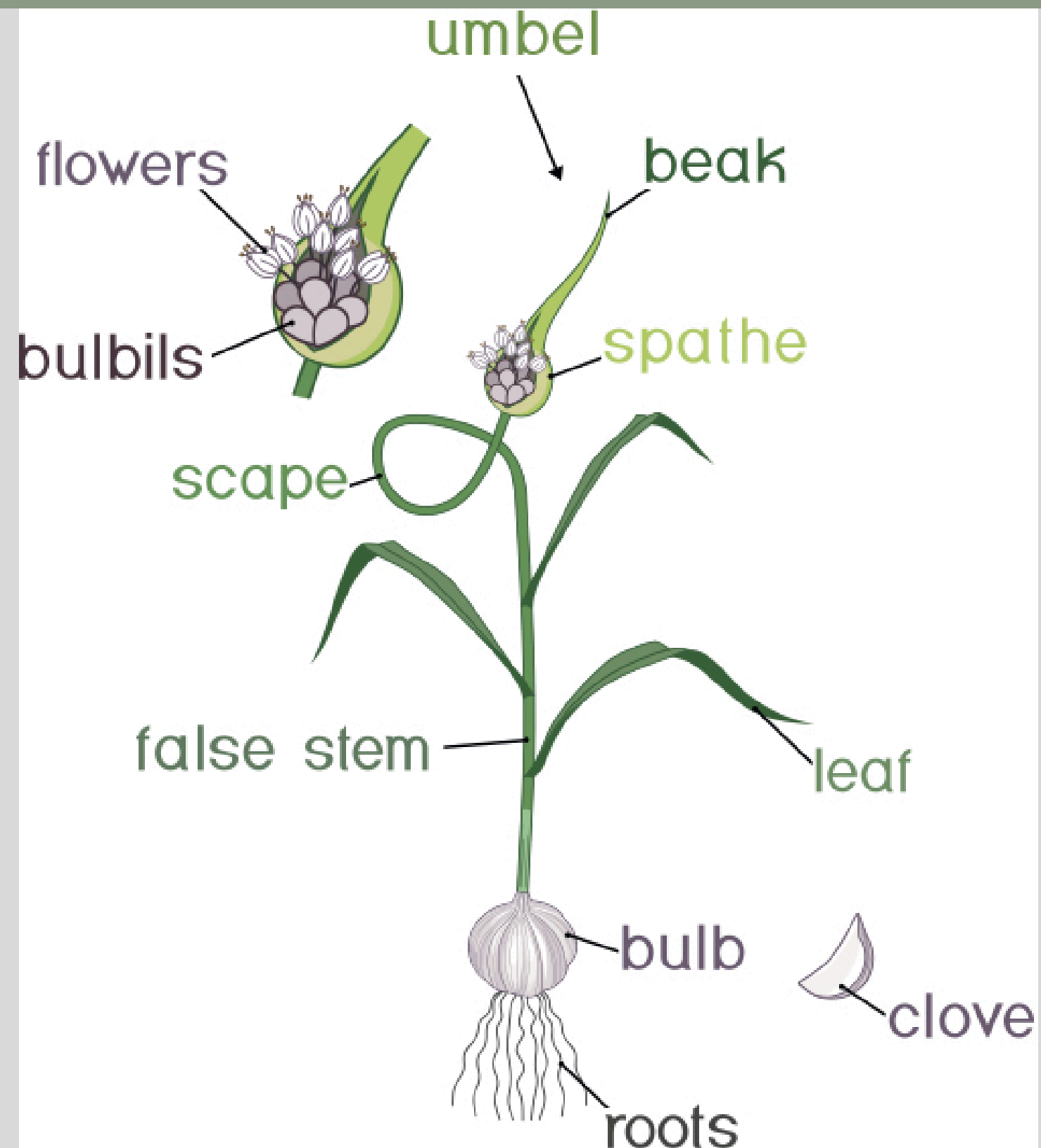
Harvest



When to Harvest Garlic?

- When 50% of the leaves are brown from the ground up.
- When you cut a bulb in half and it shows full clove development and they have separated from the stalk (Hardneck Garlic).

Harvest



When to Harvest Garlic?

- When garlic scape is standing straight up and beginning to flower.

Harvest

- Use a Tilmor Undercutter/Bedlifter to cut under the garlic
- Pick up the garlic and put it in back of truck or on trailer
- Bring to barn to sort/hang



After the Harvest



Drying Garlic

Dry for 3-4 Weeks!

Hanging Garlic on wire

- Bundle in groups of 10
- Hang on wires
- Use colored tape to identify variety.
- Keep garlic out of the sun
- Great air circulation



Drying Garlic

Using Garlic racks

- Clip stalk/roots off garlic
- Place upside down in chicken wire
- Use colored tape to identify variety.
- Keep garlic out of the sun
- Great air circulation



Dry for 3-4 Weeks!

After the Harvest



After the Harvest



After the Harvest



After Drying

- Clip stalk/roots off garlic
- Place in bulb crates
- Store in cool/dry place
- Store out of direct sunlight



- 1. Seasonings - 52%
- 2. Garlic Direct - 15%
- 3. Garlic Braids - 6%
- 4. Wholesale - .01%
- 5. Other (Micros, Mushrooms, Flowers) - 26.99%

Tips For Making Sales



- How you present yourself matters!
 - Branding
 - Clean
 - Good Presentation
- Consider YOUR customer base
 - Where do you live?
 - What are the socio-economic demographics?
 - What do your customers value?

Garlic Braids

- Softneck garlic braids
- Hardneck garlic “braids”



Dried Flowers

Materials Needed:

- Dried flowers
 - strawflowers, tansy, statice, lavender, celosia
- Rubber bands
- Wide ribbon
- Hot glue gun



Seasonings



Seasonings

1. Know the laws for your state (cottage foods)
2. Choose a seasoning
3. Trial your seasoning and make a recipe - be sure to have people try it before you start trying to sell it.
4. Design a label, choose bottling, make your seasoning



Garlic Powder

1. Break apart garlic bulbs
2. Peel the garlic - Skyfood garlic peeler
3. Grind the garlic - meat grinder
4. Dry the garlic - dehydrators
5. Grind the garlic again - Vitamix or Grain mill? Coffee grinder?
6. Package



Garlic Powder

1) Break apart galic bulbs

GARLIC SPLITTER - 600KG/H

REF. E600

Garlic splitter



Solutions adapted to your needs.
Your garlic quality preserved with
our innovated and technical
systems.

The garlic bulbs are placed in the hopper, a ridged feeding belt feeds the splitting unit.


The garlic is split between a two specially designed soft belts. Brushes help to finish the splitting process before an optimal manual finishing. A suction removes all the skins and waste to leave the clean cloves to be graded.



Garlic Powder

2) Peel the garlic - Skyfood garlic peeler





 Skyfood




Skyfood DAL-6 9 Lbs. Stainless Steel Garlic Peeler - 110 Volts


SKU: DAL-6 MPN: DAL-6

Write a review

From \$104 / month with  CREDIT KEY

\$1,122.76 / Each Ships free with 



Garlic Powder

3) Grind the garlic -
meat grinder (food processor works too)



GRINDERS SAUSAGE JERKY PREP SEASONINGS KITCHEN TOOLS COOK/DEHYDRATE VAG SEA

« BACK | HOME / GRINDERS / ALL GRINDER PRODUCTS / #22 BIGBITE® MEAT GRINDER - 1 HP

#22 BigBite® Meat Grinder - 1 HP

SKU: 1781

★★★★☆ READ 192 REVIEWS | 62 QUESTIONS, 110 ANSWERS | 539 BUYER COMMENTS or [Write a Review](#)

SHARE | WARRANTY | SHIPPING | GUARANTEE

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1 [ADD TO CART](#)

*Actual product may vary slightly from picture.

Garlic Powder



4) Dry the garlic

Excalibur 9-Tray Food Dehydrator with 26-HR Timer, in Black

★★★★★ 4.5 (25) [Write a review](#)



24/7 SUPPORT

Pay with [affirm](#) on orders over \$250. See if you qualify

- 1 + \$195.99 ~~\$279.99~~

The Excalibur 3926TB Electric Food Dehydrator has a 26-hour timer for dehydrating a wide range of foods such as fruits, vegetables, and so much more. It is the perfect way to make wholesome snacks. Excalibur's patented Parallexx Horizontal Airflow distributes heat evenly, allowing food to dry faster, retain more nutrients and taste better. Hyperwave Technology ensures food temperature stays low enough to preserve nutrients in foods being dehydrated by controlling evaporative cooling. The dehydrator has 9 trays that measure 15 x 15 inches each, and 15 square feet of dehydrating space. You have plenty of room to dry a large quantity of food. The adjustable temperature lets you set the temperature from 105 degrees Fahrenheit to 165 degrees Fahrenheit. Includes a Limited 10-year Warranty. Overall Dimensions: Width: 17, Depth: 17, Height: 17. Includes a downloadable Guide to Dehydration.

Features

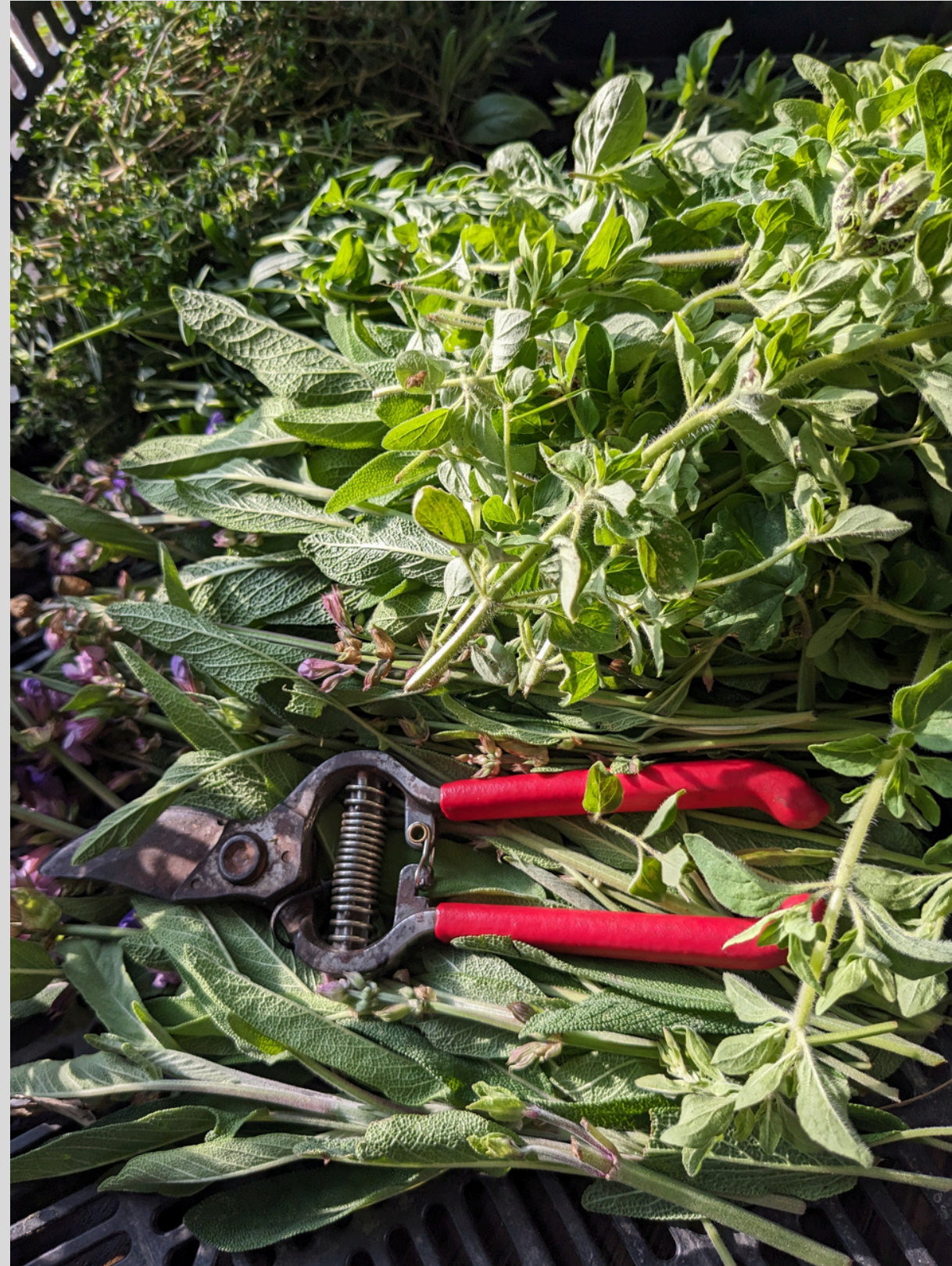
- 26 hour timer offers set it and forget it convenience
- Hyperwave patented technology keeps the interior temperature low

Garlic Powder

Value Added Link Document



Herb Blends



- **Harvest the herbs and process them the same day!**
- **Harvest herbs first thing before the sun burns off some of the oil**
- **Blend the herbs together, and with the salt before drying.**

Questions?



Sign up for our Newsletter

