

The Magic of Seeds Webinar Websites

Webinar: The Magic of Seeds

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Introduction	
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Rutgers Horticulturist	
Office	Rutgers Cooperative Extension of Mercer County
	1440 Parkside Ave, Ewing, NJ
	http://www.mercercounty.org/departments/planning/extension-
	service
Phone	609.989.6830 – Mercer Office, now closed
HelpLine phone	609.989.6853 – HelpLine office, now closed
Rutgers Master	https://mgofmc.org/
Gardeners website	https://ingointe.org/
Karen Prager, presenter	kprager@gmail.com
I. What's a seed	https://extension.psu.edu/understanding-seeds-and-seedling-
	biology
a. What a seed needs	https://extension.psu.edu/seed-and-seedling-biology
to sprout	
b. Why grow from	https://farminence.com/5-benefits-of-starting-seeds-indoors/
seed?	
II. You & Your Garden	https://extension.umn.edu/planting-and-growing-guides/starting-
	seeds-indoors
a. What do you want	https://www.planetnatural.com/garden-planning/
to plant?	
b. Where? Know your	https://www.diynetwork.com/how-
Garden Spot?	to/outdoors/gardening/selecting-the-best-location-for-a-garden
c. Veggies need lots	https://extension.umn.edu/how/planting-and-growing-guides
of light	
d. Flowers need lots of	https://www.dummies.com/home-garden/gardening/flower-
light, too	gardening/how-much-light-do-plants-need/
e. Know your soil!	https://njaes.rutgers.edu/fs797/
Soil testing	
f. Set up your flower	https://njaes.rutgers.edu/home-lawn-garden/what-to-plant.php
garden	Temport allocate for the function of the former of prancipity
g. Set up your	https://extension.umd.edu/hgic/topics/how-start-vegetable-garden
vegetable garden	
	1
III. Step 1: Getting seeds.	https://awaytogarden.com/resources - scroll to seeds
Seed Catalogues	https://niaes.rutgers.edu/FS1163/
Secu Catalogues	https://njacs.rutgers.edu/151105/ https://awaytogarden.com/unusual-seeds-with-nate-kleinman-of-
	experimental-farm-network/
	https://exchange.seedsavers.org
	imps.//oxenange.seeusavers.org



The Magic of Seeds Webinar

Websites

a. Types of seeds –	https://www.gardeningchannel.com/open-pollinated-vs-hybrid-vs-
a. Types of seeds – terminology	heirloom-seeds/
b. Variety & selection	https://awaytogarden.com/growing-a-better-tomato-seed-to-
TT 1.1 1.	harvest/
c. Heed the packet	https://extension.unl.edu/statewide/fillmore/Seeds.pdf
d. Know your	https://garden.org/nga/zipzone/
Hardiness zone	
IV. Step 2: Starting seeds	https://mgofmc.org/jumpstarting-spring-starting-seeds-indoors/
a. Timing is essential	https://www.gardeningknowhow.com/garden-how-to/gardening-
	by-zone/zone-7/zone-7-seed-planting.htm
	https://extension.umd.edu/hgic/topics/starting-seeds-indoors
b. Germination test	https://extension.illinois.edu/blogs/rhonda-ferrees-ilriverhort/2017-
	02-03-test-seed-viability
c. When to start seeds	https://awaytogarden.com/when-to-start-seeds-calculator/ &
	https://njaes.rutgers.edu/fs678/
d. Scarification	https://www.thespruce.com/stratification-seeds-into-thinking-its-
	winter-1403100
e. Stratification	https://www.gardeningknowhow.com/garden-how-
	to/propagation/seeds/seed-stratification.htm
	to propugation beeds beed but internommun
V. Step 3: Essentials for	https://extension.unh.edu/blog/seed-starting-basics
Indoor Planting	<u>intps://extensionalineda/orog/seed_starting_ousles</u>
a. Seed Starter	https://thereidhomestead.com/seed-starting-101-equipment/
Essentials	
i. Seed starter	https://extension.umd.edu/hgic/topics/containers-and-growing-
choices	medium-seed-starting
ii. Soil blocks	https://extension.psu.edu/programs/master-gardener/counties/susquehanna/penn-
II. SOII DIOCKS	state-master-gardener-articles/making-soil-blocks
b. Seed starting mix	https://awaytogarden.com/seed-starting-basics/
formula	
c. Seeding	https://awaytogarden.com/when-to-start-seeds-calculator/
C	https://awaytogarden.com/how-to-start-seeds-18-confidence-
	building-tips/
VI. Step 4: Starting Seeds	https://njaes.rutgers.edu/fs787/
VI. Step 4: Starting Seeds Indoors	https://njaes.rutgers.edu/fs787/
Indoors a. Care before	https://njaes.rutgers.edu/fs787/ https://extension.umd.edu/hgic/topics/seedling-care
Indoors a. Care before Germination	https://extension.umd.edu/hgic/topics/seedling-care
Indoors a. Care before Germination b. Florescent lights	https://extension.umd.edu/hgic/topics/seedling-care https://awaytogarden.com/shopping-for-seed-starting-grow-lights-
Indoors a. Care before Germination b. Florescent lights over Southern	https://extension.umd.edu/hgic/topics/seedling-care
Indoorsa.Care before Germinationb.Florescent lights over Southern exposure	https://extension.umd.edu/hgic/topics/seedling-care https://awaytogarden.com/shopping-for-seed-starting-grow-lights- with-leslie-halleck/
Indoorsa.Care before Germinationb.Florescent lights over Southern exposurec.Low light give	https://extension.umd.edu/hgic/topics/seedling-care https://awaytogarden.com/shopping-for-seed-starting-grow-lights- with-leslie-halleck/ https://www.thespruce.com/preventing-your-seedlings-from-
Indoors a. Care before Germination b. Florescent lights over Southern exposure c. Low light give leggy seedlings	https://extension.umd.edu/hgic/topics/seedling-care https://awaytogarden.com/shopping-for-seed-starting-grow-lights- with-leslie-halleck/ https://www.thespruce.com/preventing-your-seedlings-from- getting-leggy-2539979
Indoorsa.Care before Germinationb.Florescent lights over Southern exposurec.Low light give	https://extension.umd.edu/hgic/topics/seedling-care https://awaytogarden.com/shopping-for-seed-starting-grow-lights- with-leslie-halleck/ https://www.thespruce.com/preventing-your-seedlings-from-



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e.	Damping off	https://extension.umn.edu/solve-problem/how-prevent-seedling-
	Prevent damping	damping
	off	
VII. S	tep 5: On a Roll:	https://hortnews.extension.iastate.edu/2000/2-25-
	inating	2000/annflowgerm.html
	8	http://www.growgreatvegetables.com/plantinggrowing/germinatio
		n/
a.	Seeds that need	https://www.thespruce.com/seeds-that-need-light-for-good-
	light to Germinate	germination-1403091
	-	https://www.saps.org.uk/saps-associates/browse-q-and-a/659-why-
		do-some-seeds-germinate-only-in-the-dark
b.	Care after	https://gardeningproductsreview.com/seed-starting-germination/
	Germinating	
c.	Alternatives	https://extension.umaine.edu/gardening/manual/propagation/plant-
		propagation/ This also has a great summary of seeds!
	Step 6: Planting	
	Hardening off	https://extension.psu.edu/hardening-transplants
b.	Transplanting	https://bangordailynews.com/2019/04/29/news/state/how-to-
	seedlings	transplant-seedlings-and-keep-them-healthy-and-strong/
	inal Steps	
a.	Hardiness zone	https://www.thespruce.com/planting-zones-usda-plant-hardiness-
	~	<u>maps-2131130</u>
b.	Succession planting	https://extension.umd.edu/hgic/topics/succession-planting-
	D	vegetables
c.	Direct sow	https://www.burpee.com/gardenadvicecenter/areas-of-
		interest/flower-gardening/direct-sow-seeds/article10009.html -
4	Culinary Harba	Burpee is commercial
a.	Culinary Herbs	https://www.gardeningknowhow.com/garden-how-to/gardening-
-	Annual flowers	by-zone/zone-7/zone-7-herb-plants.htm
e.	Annual flowers	Annuals that attract pollinators: https://extension.umn.edu/flowers-pollinators/annual-flowers-
		pollinators
		Annuals that add color: <u>https://awaytogarden.com/annual-flowers-</u>
		and-foliage-to-add-seasonal-color-with-untermyer-gardens/
		Annuals for dried flowers: https://awaytogarden.com/flowers-for-
		drying-which-ones-and-how-to-with-jenny-elliott/
f.	Perennial flowers	Flowers for landscapes (also annuals)
		https://extension.umn.edu/find-plants/flowers
		https://extension.psu.edu/care-and-maintenance-of-perennials
		of the second sec
	Grasses	Grasses for shade: https://awaytogarden.com/chasmanthium-a-
g.	Grasses	Grasses for shade: <u>https://awaytogarden.com/chasmanthium-a-</u> native-grass-for-shade/
g.	Grasses	Grasses for shade: <u>https://awaytogarden.com/chasmanthium-a-native-grass-for-shade/</u> https://awaytogarden.com/turning-lawns-into-meadows-with-



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Starting a Hadlthy Cardon Doboroh I Martin Podolo 2014
Starting from Seed, Fine Gardening Magazine. Volume 1, 2010,
The New Seed Starter's Handbook, Nancy Bubel, Rodale, 1988
The Secrets of Plant Propagation: Starting your own Flowers,
Vegetables, Fruits, Berries, Shrubs, Trees and Houseplants, Lewis
Hill. Storey, 1985.
The Maryland Master Gardener Handbook, Jeanine Smetana, ed.,
University of Maryland Extension, 2012
Margaret Pickoff & Michael Gliddon: "Veggie Basics"
https://rutgers.zoom.us/rec/play/9zEJIQw4j-
MTHInK6fv iwYL5FTYIhhvpANEMhS1j sY95pv1gZ8gCnBPyN2U8M
LGkpvtkObWpsJzHBy.UvLxXMI9ImuFmWAG
Passcode: Garden*2021
Marjorie Steinberg: "Plants from Seeds" – not available
Joe Lamp'l; "Seed Basics and Beyond" – not available
Rutgers FS 787 "Starting Vegetable Seeds Indoors," Peter Nitzshe
& Steve Reiners: <u>https://njaes.rutgers.edu/fs787/</u>
MGofMC FS115 "Vegetable Gardening," BJ Bromley:
https://mgofmc.org/docs/VegGardBasics.pdf