

PLANTING DAYLILY SEEDS



Dynamic Daylilies
Beamsville

Unique Ontario Hybrids

www.DynamicDaylilies.ca

905 617 0788

Daylily Seeds:

Production, harvesting, planting, growing. (Or: How to make your own amazing daylilies)

- 1: Chose some excellent daylilies to use as parents**
- 2: Pollinate the Mother with pollen from the father**
- 3: Record which daylily is the father**
- 4: Wait until the pod ripens**
- 5: Gather the seeds**
- 6: Cool them for 3 to 4 weeks in a fridge**
- 7: Plant them in deep pots**
- 8: Water weekly, give them lots of light**
- 9: Plant them in the garden in late May**
- 10: Enjoy the flowers the following summer!**



Selection of Parents:

Good parents are essential. Choose ones that can produce exceptional kids. Aim for something you consider worthy of the time and effort you are going to spend growing them. Choose some goals, select parents able to provide those features.

For instance, cross a ruffled, ideally colored but too short and small daylily with a tall one with lots of buds - ideally with similar color and patterns. Hopefully get tall, many buds kids with lots of ruffles and good color.



Selection of Parents:



**Lovely color and edge,
shorter than I like (18")
and low bud count (10)**



**40" Tall, 44 bud count
But flower not as attractive**



Hopeful Kid:

36 - 40" tall, 40+ buds, ruffled edge

Selection of Parents:



**Interesting color and edge,
shorter than I like (12")
and very low bud count (6)**



**33" Tall, 50 bud count
But flower has no edging,
ruffles or pattern**

Hopeful Kid:

30 - 40" tall, 40+ buds, ruffled edge

Pollinating is easy:

**Just take pollen
from the stamen
of one plant**

**and put it on the
pistol of another.**



Hybridizing Daylilies in Ontario

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**Some daylilies
push out the pistol
before the flower opens.**

**Pollinating here gives the
pollen more time to form seeds.**

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**Pollinated flower.
Note the yellow
pollen on the tip of
the pistol**



**Labels on the base
of the flower allow
you to keep track
of the parents.**

**I use paper jewelry
labels and some
aluminum tags.**

**The paper ones
are simpler and
cheaper, but the
details sometimes
wash off.**



**Staples Jewelry Tags.
\$5 per box of 100.**

**Standard product,
usually in stock.**



Hybridizing Daylilies in Ontario

Patio, Lawn & Garden › Garden Structures & Germination Equipment



Roll over image to zoom in



Metal Plant Labels, Sweethome Aluminum Plant Tags Tree Metal Tags for Outdoor Gardening Writable Metal Label Flower Marker(100 Pack)

Brand: Sweethome

★★★★☆ 16 ratings

Was: ~~CDN\$ 27.99~~Price: **CDN\$ 25.99** ✓primeYou Save: **CDN\$ 2.00** (7%)Get a **\$15 Amazon.ca Gift Card** instantly, plus up to 5% back for 6 months after approval for the Amazon.ca Rewards Mastercard.Pay ~~\$25.99~~ **\$10.99** for this order after approval.Color Name: **100 pack**

Colour	100 pack
Material	Aluminum, Metal
Brand	Sweethome

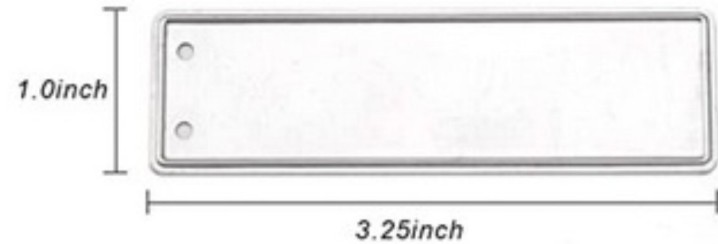
About this item

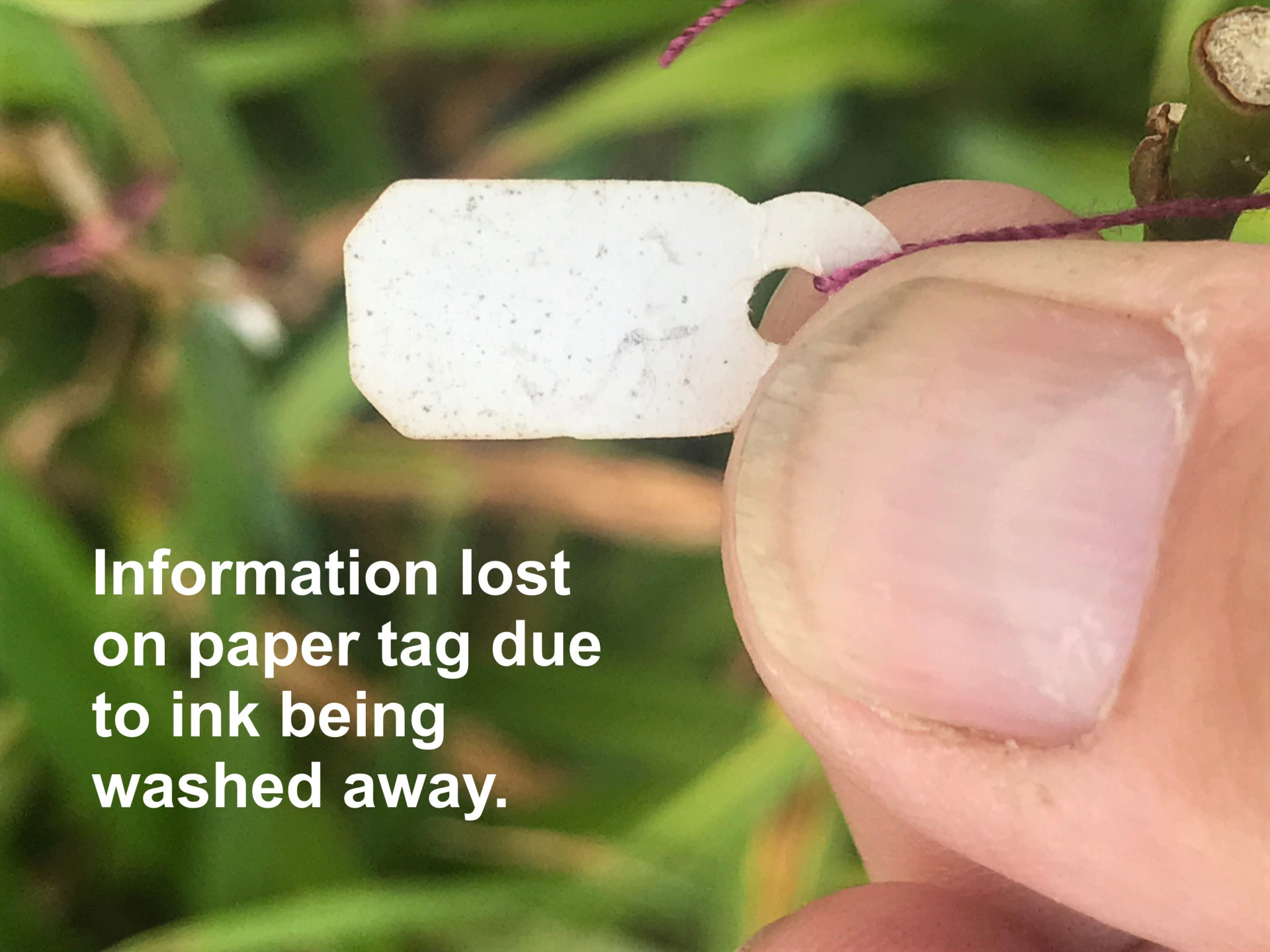
- 1,,Materail: Plant Tables made of high quality aluminum, sturdy and durable, long use time.
- 2,Size: 1 inch x 3.23 inch, provide enough space to you write the detail informatio on the plant tags.
- 3,Waterproof: Metal plant tags is waterproof and anti-uv, could protect your information for many years with any environment.
- 4,Use: The tags perfect for tagging outdoor trees, plants, valves, lock boxes, also suit for green house plant test tag.

**The Aluminum tags
are too long, so I cut
them in half.**

**At \$28 for 100 they are
\$0.30 each.**

**The paper tags are
\$0.05 each.**





**Information lost
on paper tag due
to ink being
washed away.**

If you use paper tags,
it is advisable to use
waterproof ink.

I use Rite in the Rain
pens.

A bit expensive, but
they work.

On Amazon at \$28 per
black pen or \$25 per
orange 2 pack.



Hybridizing Daylilies in Ontario



Roll over image to zoom in

**Paper tags on
base of flower
and new seed
pod growing.**



**A Seed pod
forming two
days after
bloom.**



**Seed pods at
various stages.**



Maturing Seed pods



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Lots of seed pods!



**Harvest Seeds?
or just let them fall and grow in your garden?**



Fallen seeds are loved by other creatures.
They rarely germinate and grow into beautiful daylilies.

**Seed pods
that are perfectly
ripe and ready to
pick.**

**Note the tiny
crack inbetween
the sections.**



**Not all seed pods look perfect.
This one is partly rotten, but still has a good seed worth keeping.**



When this seed pod was squeezed lightly, it popped open. Its ready to harvest - and has good seeds ready to gather. Harvesting BEFORE they pop open themselves prevents any bugs laying eggs in the pods.



Over ripe and buggy



Perfectly Ripe!



I use plastic bags to store the seeds.

The plastic bag keeps them moist and can be written on to identify the parents.

Some seeds will rot or get moldy while in storage, especially if there is TOO MUCH moisture in the bag.

Most do well in plastic bags, and if not dried out, they are easier to germinate.



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**Then store the seeds in a refrigerator
for three or more weeks.**

**I have stored them in this way
for over a year
and had close to the same level of germination.**

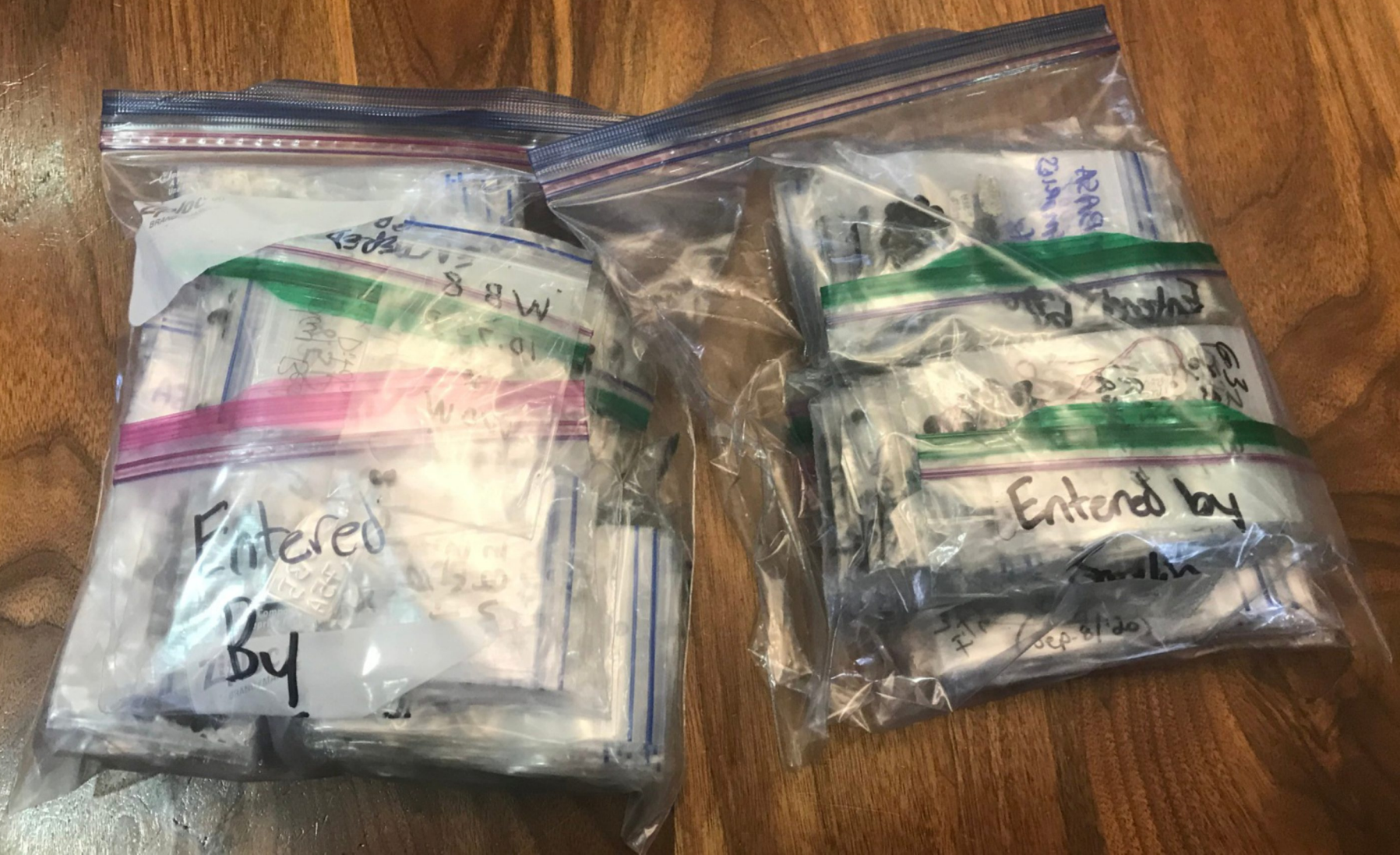
**If you plant them immediately after harvesting,
about 50% will germinate.**

**If you cool them for 3 weeks or more
about 75% will germinate.**

Do not freeze them - many will die.



**Take the bags out of the fridge,
and sort them into groups that have similarities.**



Sometimes the seeds have been in the fridge too long and some will have sprouted in the bags.

This is OK. They just start growing sooner.





Setup on the kitchen table for planting.



**I use 5" X 5" X 6" deep pots for the seedlings.
They are available for \$0.50 - \$1.00 each
and can be re-used many times.**

I have tried many potting soils. Most work, but generally I used to mix my own: about 1/2 Peat Moss to 1/2 compost.

Two years ago I found a premixed soil that worked well and its much easier to just fill the pot without any premixing.

\$10/bag at Sheridan Nurseries. \$8 if you buy 3 or more.

1 bag = ~ 15 pots



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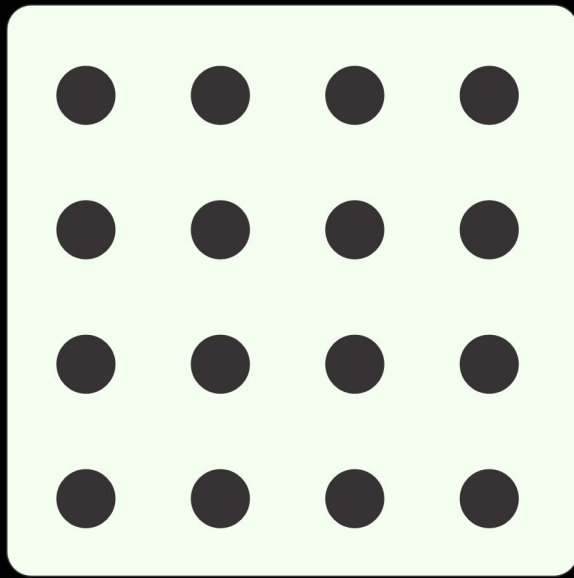


12 pots fit in one tray. 12 trays fit in my setup.

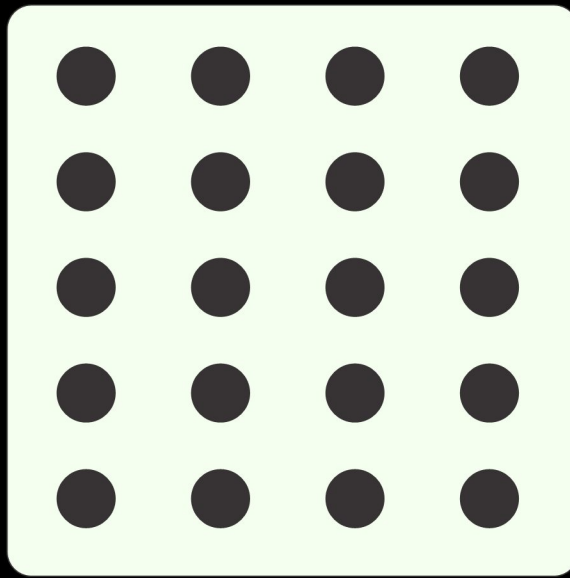
Ideally plant the seeds 2 to 3 times their diameter below the surface. Daylily seeds will germinate lying on the surface, but they will move when watered and you lose track of which is which.

I use a Sharpie to indent the soil and label the pots.

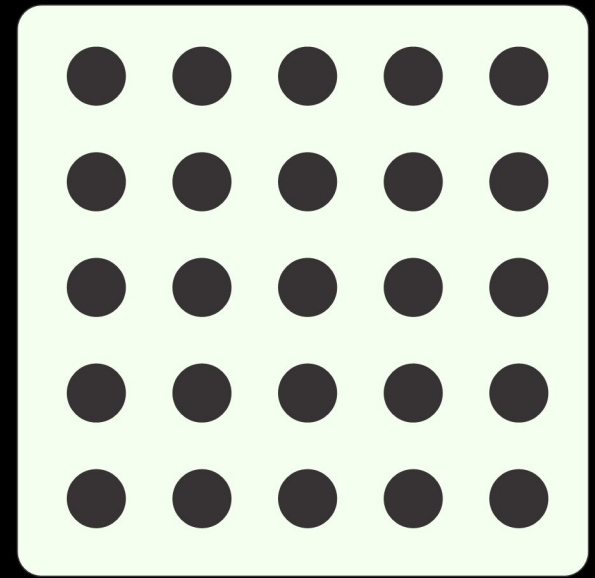




16



20



25

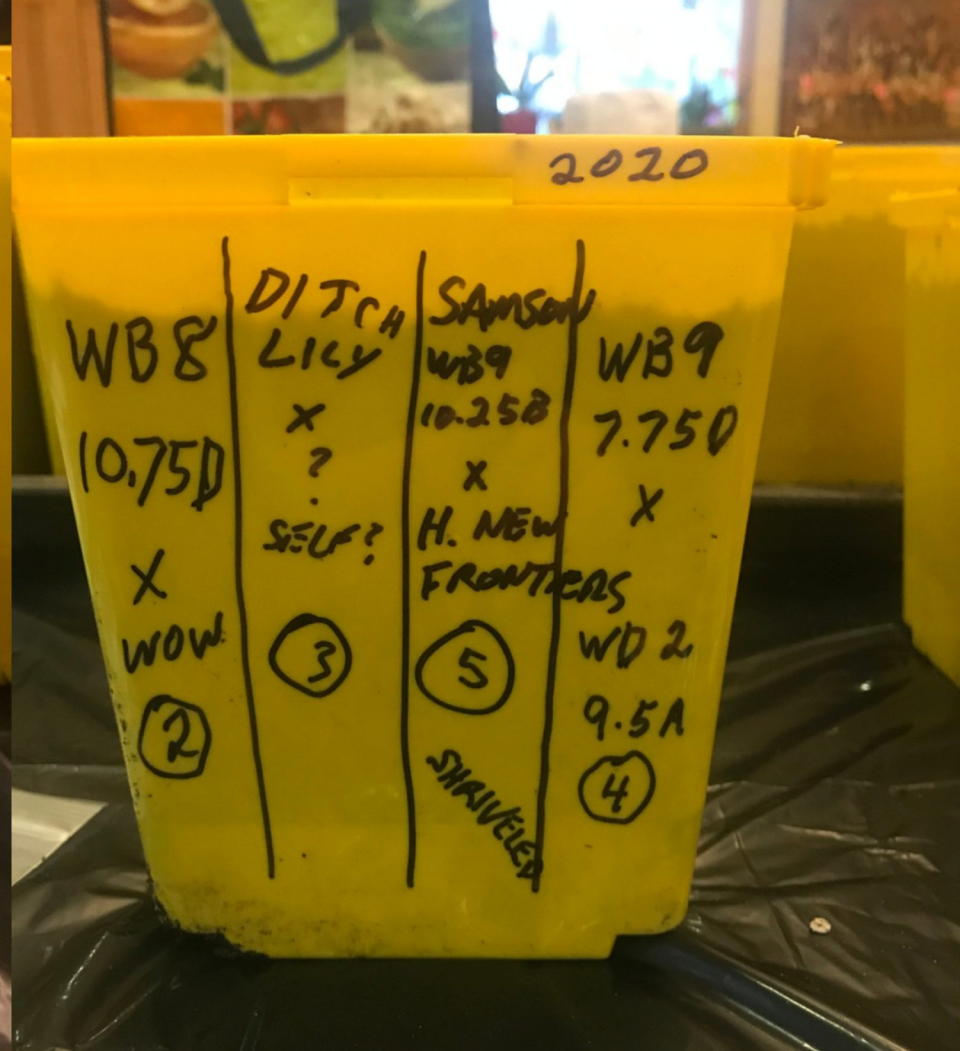
**I plant 12 - 25 seeds in one pot.
I aim at 16 per pot, but some
seeds are tiny and more will fit.
Some seeds are huge so less fit.**

**The seed size usually relates
to the plant size.
Small seeds = small plants.**



Drop one seed in each hole,
Then fill in the hole.





**Label the pots so that you know what is in each row.
The labels wash off easily with 85% ethanol hand sanitizer.**



I have two seedling stands. Each one holds 6 trays of 12 pots.

Total = 144 pots

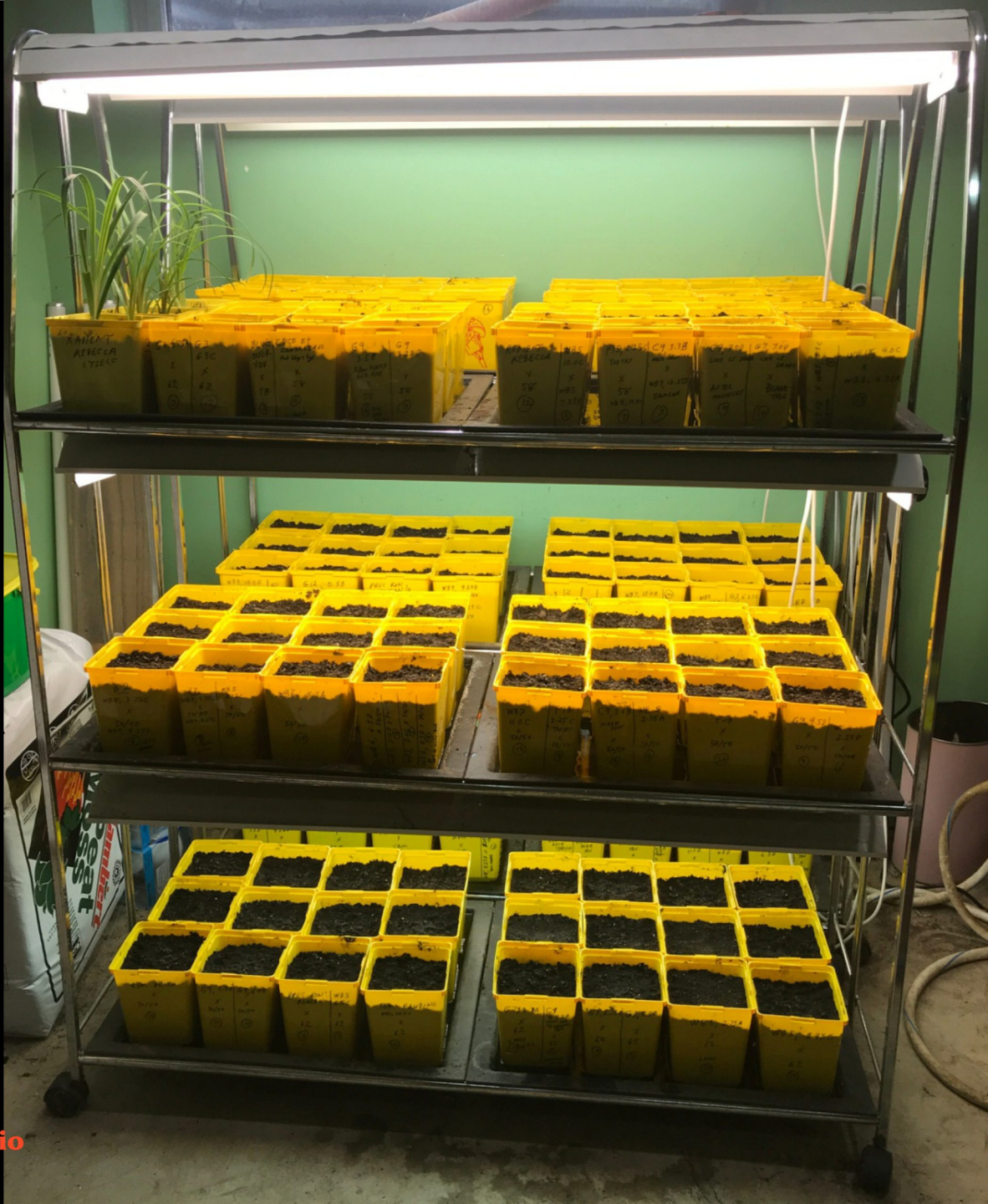
With 16 - 20 seeds = approx. 2500 seeds.

Light bulbs should be high lumens

Color is not critical for seedlings. I use daylight florescent or LEDs.



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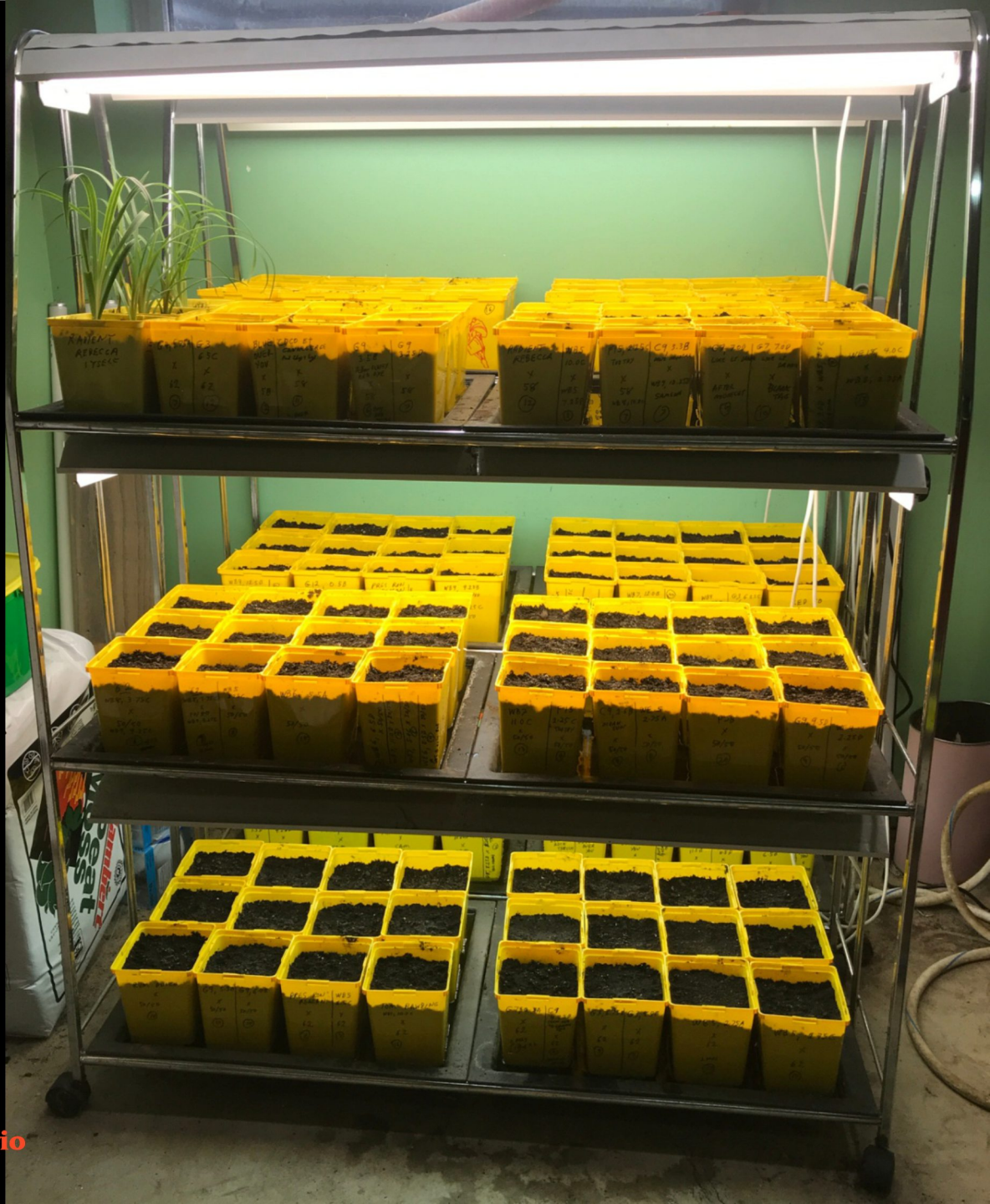
Water weekly - from the bottom not from the top. When watered from the top, it is ideal for cut worms / midge flies to grow and they kill the seedlings rapidly.

Do not over fertilize. At most once a month a little miracle grow.

Too much fertilizer kills daylilies, too little is not a problem.



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CAUTION: if you bring in some daylilies from outside, they **ALWAYS** have aphids.

Be sure that you have killed all of the aphids before you pot the seeds.



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Aphid attack after a few days indoors.

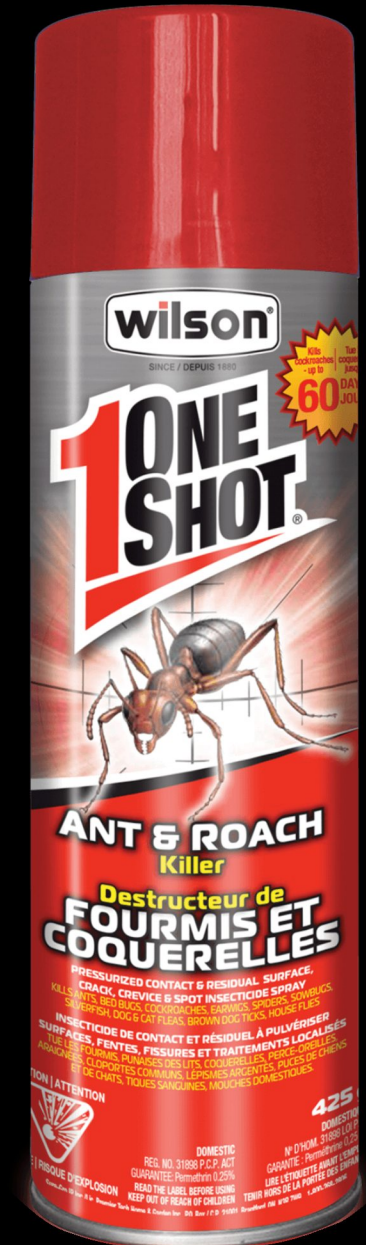


Permethrin residual
sprays kill aphids.

Most other pesticides
are contact only and
you usually miss a lot
in the base of the
leaves.

Wilson 1 Shot is
available at Canadian
Tire. Ben's is
available in the US.

Spray OUTSIDE, then
next day bring in the
daylily.



One to two weeks later:

Sprout

G7, 1.0C
FLUFFY
PURPLE

X
wow

(10)

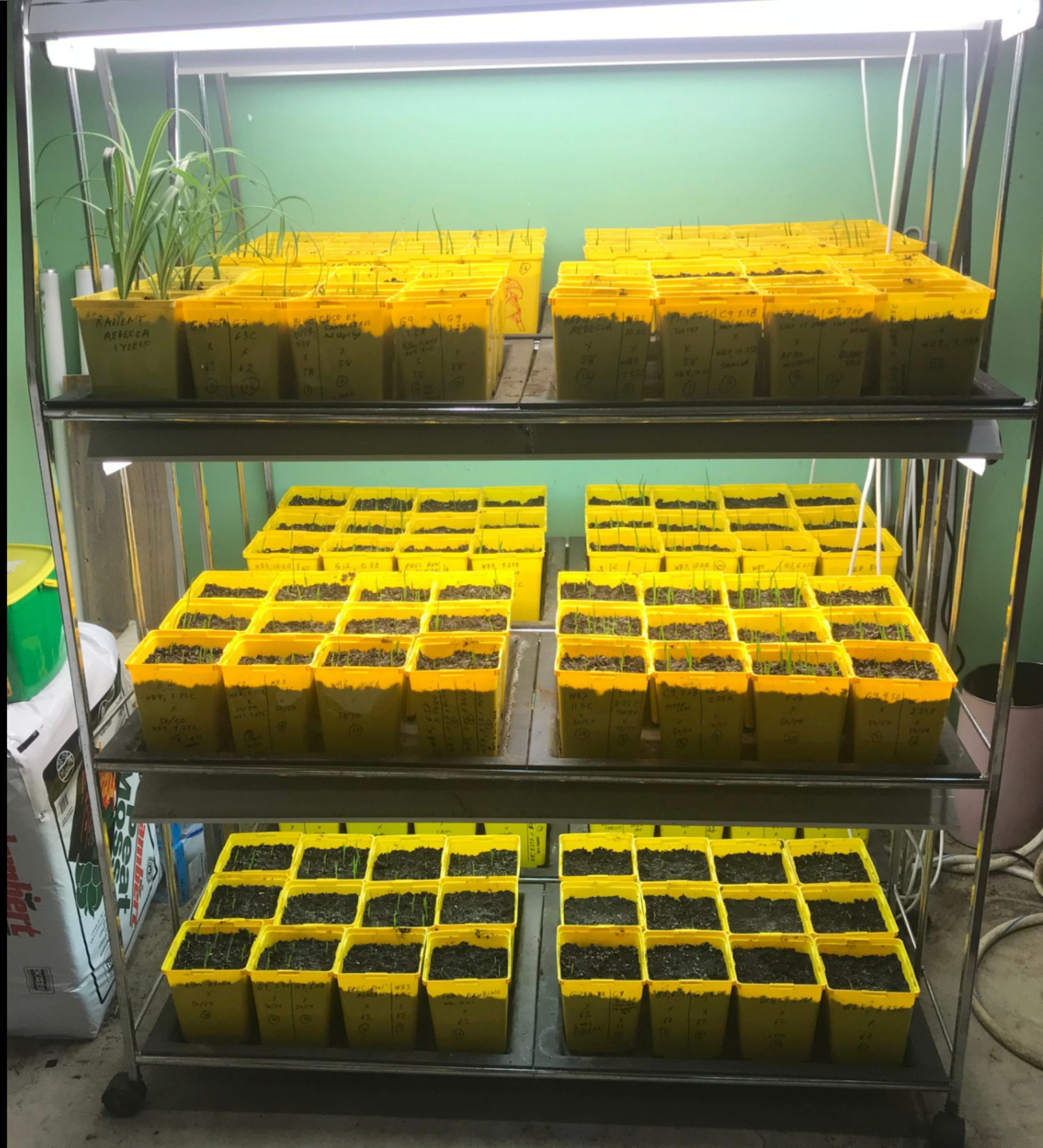
G12
1.75A

X
wow

(8)

Week
3

Nov 23
2019

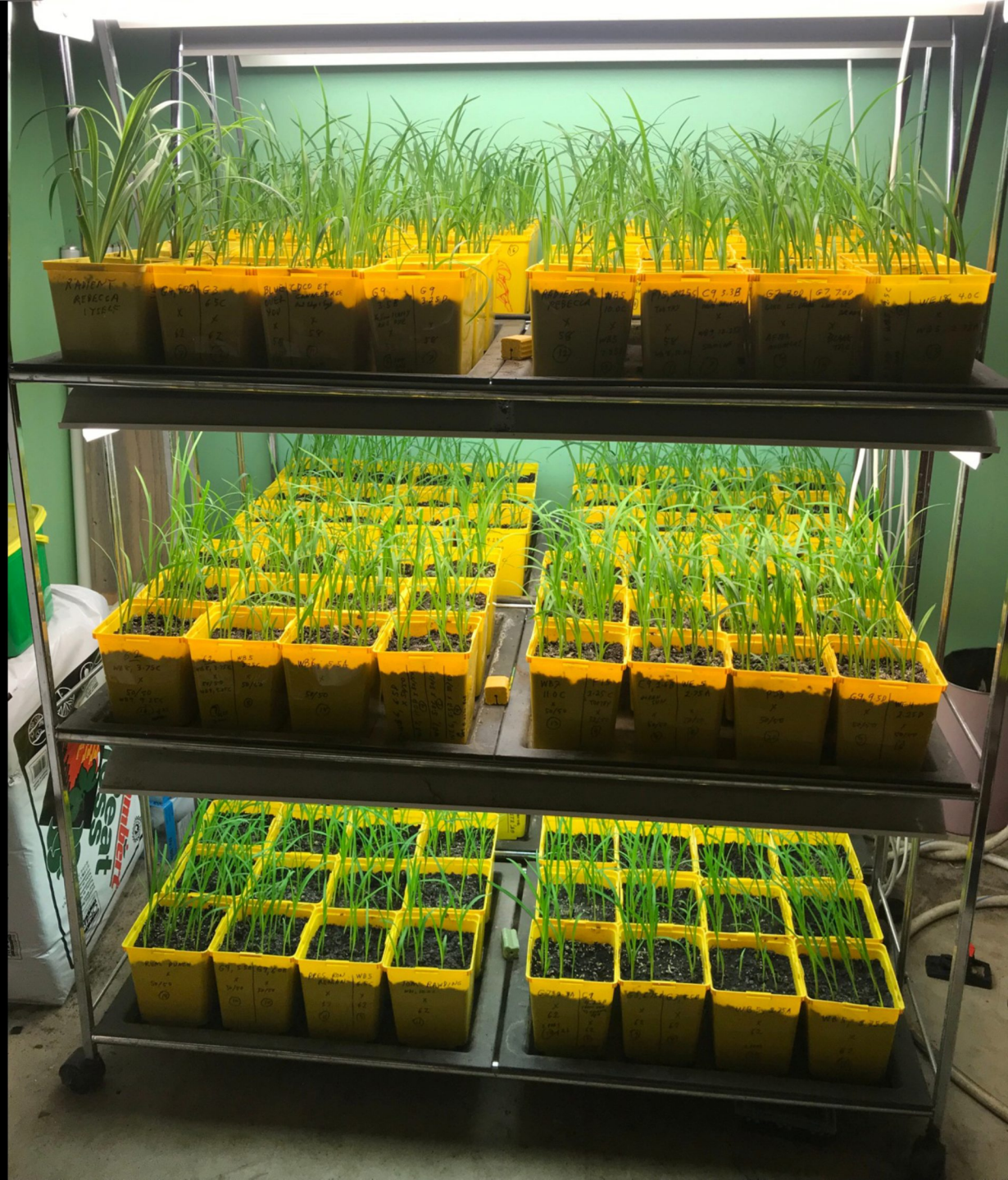


Week three



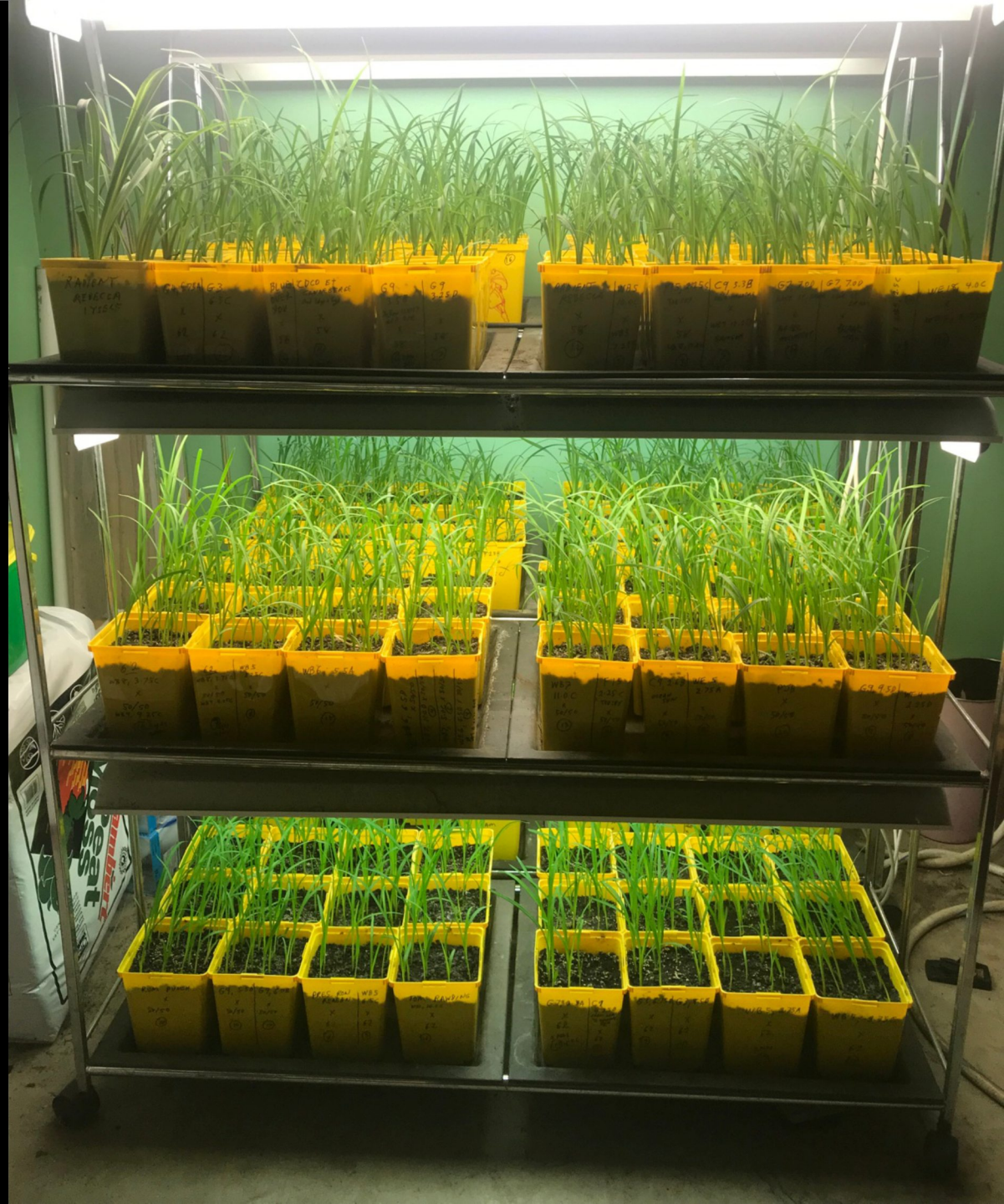
**Week
5**

**Dec 7
2019**



**Week
6**

**Dec 11
2019**



Week
7

Dec 22
2019



**Week
9**

**Jan 4
2020**



**Week
13**

**Feb 5
2020**





Week 17

April 9, 2020 - Almost ready to plant



Week 22
May 16, 2020 - Ready to Plant

Prep the ground 1: Remove grass



Prep the ground 2: Add lots of compost



Prep the ground 3: Till.
Works by shovel, small tiller or tractor.
Tractor is easiest.



Prep the ground 4: Mark out the spacing for planting



We plant in rows 1 meter wide, 10 meters long
in sets of 4 per 1/4 meter, so 16 per sq meter



Bring out the seedlings and begin planting





3.75A
X
RED
50
(9)
WE 7
15A
X
RED
50
①

RED 50
X
?
2 PARS
5A

Some are larger, some smaller.
They all mature in a year or two.

**The Seedlings in September:
Large enough to do well through winter.**



The seedling beds, just planted June 2018



The seedling beds, starting to bloom

Mid July, 2019



The same beds, July 29, 2019
About 85 - 90% bloom the summer after planting.



Enjoy



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