



ATLAS SEED

• *field scale cultivars* •

2021 CANNABIS STRAIN GUIDE

— *Bred by Farmers, For Farmers* —

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Day Neutral Growing Preferences

Day neutral cannabis, scientifically known as *C. ruderalis* or colloquially referred to as “auto-flowering” cannabis, prefers long, dry, and sunny days. During establishment the plant requires regular watering to maintain even moisture. The soil should never drop below 50% of capacity, and on hot days (above 80° F) should stay above 80%. Early applications of a balanced vegetative feeding program are critical to developing a well branched, large plant. The goal is to create as many flowering sites as possible within 3-5 weeks of growth, at which point they will begin to show signs of flowering. At this time it is best to maintain a strong vegetative feeding program and begin to slowly introduce more phosphorus, potassium, and micronutrients to prepare for the plants reproductive (flowering) phase. The plants should continue to grow quickly and stack up flowering sites from weeks 3-8. During Weeks 8-12 the flowering sites will bulk up and become dense, especially at the very end of the cycle.

Plants that grow during the summer when the days are long, warm, and sunny will ripen and be ready to harvest faster than in the winter where the shorter and colder days with less light can add an extra 10-20 days on the time to harvest. These plants have a strong appetite for light! The more light they receive, the faster they grow and come to maturity. True autoflowering plants can come to maturity even under a 24 hour daytime light cycle (no darkness/night). Weak, low watt lighting typically used to keep clone plants “in veg” will not speed up the growth of autoflower plants or prevent them from flowering.

One of the most important parts of growing day-neutral varieties is to minimize transplant shock. Any shock resulting from improper transplanting can contribute significantly to reduced yields. Unlike other agricultural crops, especially vegetables and flowers, day neutral cannabis varieties want to be transplanted as fast as equipment and handling will allow for, or within 10 days of emergence.





BEST TIME TO PLANT

- **Fully Outdoors:** After last frost date to 12 weeks before first frost date
 - **Under Hoops:** 2 weeks before last frost date to 8 weeks before first frost date
- Note:* Can use floating row cover outdoors or under hoops when they are young to protect in an emergency
- Night time lows ideally above 45° F
 - Soil temps ideally above 64° F

Days to Seed Emergence: 2-5 | Days to Flower: 21-35 | Days to Maturity: 68 (Summer) - 95 (Winter)

Notes on Outcome Variation

The data we present in the guide is what we believe is most representative of what most growers can expect. However, keep in mind that the following variables will affect your outcome:

- **Establishment Success:** Direct seeding and / or transplanting your plants properly is the single most important factor in establishing a healthy plant that maximizes its vegetative potential
- **Environmental Differences:** As a grower you will see significant outcome variations with our strains at different latitudes, microclimates, and especially if you are growing indoor versus outdoor. Nighttime air and soil temperatures will affect your vegetative growth second only to establishment success.
- **Yield vs. Potency:** The maturity times we've listed are for peak season outdoor climates, and for when we think your optimal yield and potency will be. Keep in mind that as your crop ripens past the times listed, you will see increasing yields and possibly decreasing potency. We recommend all growers test for potency often in the final phases of growth.

Gummibears

Gummibears offers our best blend of mold resistance, yield, and potency, for those who want to keep botrytis at bay but still throw down a hefty crop. The lineage of this hybrid combines our mold resistant master doner Atlas Star with OG influence from our Mythic OG line. Compact and consistent, finished flowers carry a lemon, parmesan, fuel nose.

Agronomics

Classification	Ruderalis / Autoflowering
Drought + Cold Tolerance	Good
Mold Resistance	Good
Vigor	Excellent
Seed Type	Feminized
Feminization Percentage	99.9% - 99.96
Maturity Time	75 Days
Habit	Semibranching
Yield per Plant	3 - 4 oz
Average Harvest Height	30 in

Genetics

Sativa/Indica %	50/50
Aroma/Nose	Lemon, Parmesan, Fuel
Flower Gestalt	Compact, Round, Dense
Potency (%)	15 - 20

Availability

Available Now



Grease Gun

With nearly table top consistency and excellent yields, Grease Gun is the gassiest auto we have available or know of for that matter. Though it will be slower to mature compared to the rest of our catalogue due to its OG, indica dominant influence, the nose and trichomes will be worth wait and easy to move out the door in the finished flower market.

Agronomics

Classification	Ruderalis / Autoflowering
Drought + Cold Tolerance	Good
Mold Resistance	Fair
Vigor	Excellent
Seed Type	Feminized
Feminization Percentage	99.9% - 99.96
Maturity Time	80 Days
Habit	Branching
Yield per Plant	3.5 - 4.5 oz
Average Harvest Height	36 in

Genetics

Sativa/Indica %	60/40
Aroma/Nose	Chem, Fuel, Citrus, Funk
Flower Gestalt	Large, Sticky, Dense
Potency (%)	17 - 22

Availability

Available Now



TriCross

With gassy sweet aromas of currants and citrus, our TriCross variety has consistent structure in the field, with even lateral branching and internodal spacing. An efficient leaf to bud ratio gives you maximum usable material, winning this hybrid the prize for post-harvest processing champion. Frosty finished nugs and debatably the best nose in our catalogue make this flower an easy to move auto. The TriCross lineage is primarily indica dominant, OG strains.

Agronomics

Classification	Ruderalis / Autoflowering
Drought + Cold Tolerance	Good
Mold Resistance	Good
Vigor	Excellent
Seed Type	Feminized
Feminization Percentage	99.9% - 99.96
Maturity Time	75 Days
Habit	Semibranching
Yield per Plant	3 - 4 oz
Average Harvest Height	36 in

Genetics

Sativa/Indica %	30/70
Aroma/Nose	Currants, Candied Citrus, Fuel
Flower	Compact, Dense, Frosty, Light Presence Purple
Gestalt	Pheno (15-25%)
Potency (%)	15 - 20

Availability

Available Now



Top Gun

A cross of our master doner for mold resistance and our quick finishing auto Cotton Candy, Top Gun is an auto that finishes so fast it will help you outmaneuver botrytis and volatile markets. Our most mold resistant strain, we are recommending this for growers who want to get a crop in and out and sold before the inevitable August per unit price drop. Compact plants keep to themselves but chunk up nicely, allowing for dense plantings and great yields. Get it. Get er' in. Get er' done.

Agronomics

Classification	Ruderalis / Autoflowering
Drought + Cold Tolerance	Good
Mold Resistance	Best in Catalog
Vigor	Excellent
Seed Type	Feminized
Feminization Percentage	99.9% - 99.96
Maturity Time	60 Days
Habit	Single Stem
Yield per Plant	2.5 - 3.5 oz
Average Harvest Height	28 in

Genetics

Sativa/Indica %	50/50
Aroma/Nose	Toasted Nuts, Sugar
Flower Gestalt	Compact, Round, Dense
Potency (%)	16 - 21

Availability

Available Now



Froot by the Foot

Boasting a cotton candy, fuel nose, this variety will give you the best bang for you buck on bulk weight and cannabinoids per square foot of canopy. Hence the name, Froot by the Foot. Finished flower denses up as nice as we've seen with auto's yet for an easy sell with high bag appeal. For those of you who haven't given auto's a shot yet this will be the hybrid that will win you over for good. Lineage influence is our Mythic OG line crossed with our Cotton Candy variety.

Agronomics

Classification	Ruderalis / Autoflowering
Drought + Cold Tolerance	Good
Mold Resistance	Good
Vigor	Excellent
Seed Type	Feminized
Feminization Percentage	99.9% - 99.96
Maturity Time	70 Days
Habit	Semibranching
Yield per Plant	3.5 - 4 oz
Average Harvest Height	36 in

Genetics

Sativa/Indica %	40/60
Aroma/Nose	Cotton Candy, Fuel
Flower Gestalt	Large, Dense, Frosty
Potency (%)	18 - 23

Availability

Available Now



Fog Dog

Fruit and sugar forward with a hint of fuel, this strain boasts excellent consistency in the field, with uniform lateral branching, comfortable internodal spacing, and over overall compact size. This is our second fast finishing strain outdoors, finishing between 60-65 days. It is also the best strain we have available for denser plantings, in the 20-25k plants per acre range. The finished flower has excellent bag appeal, and the lineage influence is primarily Cotton Candy cross with indica dominant OG strains.

Agronomics

Classification	Ruderalis / Autoflowering
Drought + Cold Tolerance	Good
Mold Resistance	Excellent
Vigor	Excellent
Seed Type	Feminized
Feminization Percentage	99.9% - 99.96%
Maturity Time	65 Days
Habit	Single Stem
Yield per Plant	2.5 - 3.5 oz
Average Harvest Height	36 in

Genetics

Sativa/Indica %	20/80
Aroma/Nose	Sweet Fruit, Sugar, Fuel
Flowering Gestalt	Compact, Dense, Super Frosty, Stronger Presence Purple Pheno (40% - 60%)
Potency (%)	15 - 20

Availability

Available Now

