

## **ASCFG Seed Trial Instructions for Participants**

Welcome to the National ASCFG Cut Flower Trial Program. As you know, results of all Trials are published in the Winter issue of *The Cut Flower Quarterly*, and often reprinted in several national trade magazines. Thanks to the growers who have assisted us in the past; your time and effort make the evaluations invaluable.

Program guidelines and suggestions are outlined below for the new participants, and to refresh the memories of previous Trialers. Some material tested is completely new to the American market and you will be the first to see it. Other cultivars may not be new to America, but perhaps new to you. You are an important part of this research and we appreciate your work.

At the end of the growing season, you'll be sent a link to the NCSU database, where you enter your results. See the form below for the kind of data you should take for each variety.

### **The Research Process**

A trial program is a complex research problem because of the diversity of climates, soils, scheduling, and most of all, people. While we cannot control the environment, we can make every effort to reduce the variability of the researchers. The more we grow the plants to the best of our abilities, the more useful will be the data. A few general suggestions:

1. Germinate the seed under controlled conditions; use warm temperatures (70-75F and high humidity). Insufficiently warm temperatures are one of the most common problems with seed germination. Remember, seeds which germinate under poor environmental conditions (e.g. too cold, too dry, and/or too diseased) seldom regain their initial vigor. Keep the propagation area free of insect and disease problems. In some cases, seeds may be direct sown to the field (e.g. sunflower). This should be done only if you regularly direct sow and can provide the water necessary for germination.
2. Transplant when seedlings are large enough to transfer to the ground. Space plants 9-12 inches apart or use a spacing with which you are comfortable. However, spacing plants closer than 9 inches may result in disease pressure, and wider spacing (>18 inches apart) is probably not realistic with most of these species.
3. Whenever possible, it is helpful to plant different cultivars of the same species side by side to allow them to be easily compared.
4. Fertilize and water similar to the other crops you grow.

## **Harvest**

Harvest as you wish to provide the best stem length, yield, and profit. Some of the most important data you will collect are yield per plant. Yield per plant is obtained by counting the stems harvested and dividing by the number of plants put out. These are data we hope you routinely keep on all crops you grow and so should not add significantly to your workload. We also would like some indication of average stem length. While we don't want you to measure every stem, we would like to know if we can expect 10-, 20-, 36-, or 48-inch long stems. Provide a range, such as 16-18 inches, if that is more accurate. Lastly, we are asking several questions concerning your opinion of these plants. Do your customers like them; are they something you would grow again; were they easy to cultivate; would you grow them again; and are they better than other cultivars already on the market?

## **Data Sheets**

Please make as many copies of the Data Collection sheet as you need, and collect them in a notebook used specifically for ASCFG Seed Trial purposes. Please begin to fill out the sheets immediately. This organization will be useful when you are asked at the end of the season to submit your results on the NCSU web site. Instructions will be sent to you.

## **The Forgotten Few**

Experimental plantings are often started with the best intentions but as we chase our tails in the busy times ahead, they tend to be forgotten. Particularly because the numbers are relatively small, they are placed on the "back burner" and stay there—weed infested, underfed, and struggling simply to stay alive. Please don't allow this to happen. It is your responsibility to grow the cultivars to the best of your ability and to treat them as you would other crops you grow.

## **Reality Check**

Some crops in the Trial may be absolute dogs in your climate. Do the best you can to grow them with good horticultural practices, but some plants would just as soon die as grow for you. If you have coaxed them, kissed their roots, and otherwise given up your firstborn and they still croak, don't feel bad. Concentrate your efforts on the good guys. Let us know about the good, the bad and the ugly as soon as you can. Most important, have fun. With luck, you will find the next moneymaker for your business.

**If you have any questions, contact us.**

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# ASCFG 2021 Cut Flower Seed Trial Evaluation

**Please make a copy of this page for each cultivar you are trialing, so you may collect accurate data regularly and efficiently. At the end of the growing season, Trialers will be sent reporting instructions, and a link to the online data collection site at North Carolina State University.**

Species:

Cultivar:

Cold Hardiness Zone:

Approximate yield (useable stems/plant): \_\_\_\_\_ (Record either the overall average per plant or list a range.)

Approximate average length of harvested stems: \_\_\_\_\_ (Use inches, record either the average stem length or list a range.)

Market appreciation rating by your customers  
(1 being useless, 5 being wonderful):

1      2      3      4      5

Would you grow again rating:

1      2      3      4      5

How easy was this cultivar to grow?

1      2      3      4      5

Please estimate how long cut flowers last, based on your experience and your customers' comments.

Any recommendations for postharvest handling?

List good qualities of the cultivar.

List problems with the cultivar.

Is there a species/cultivar to which this plant is similar?

Additional comments: