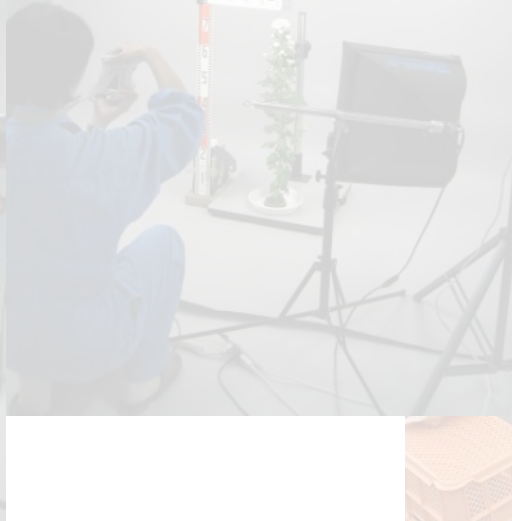
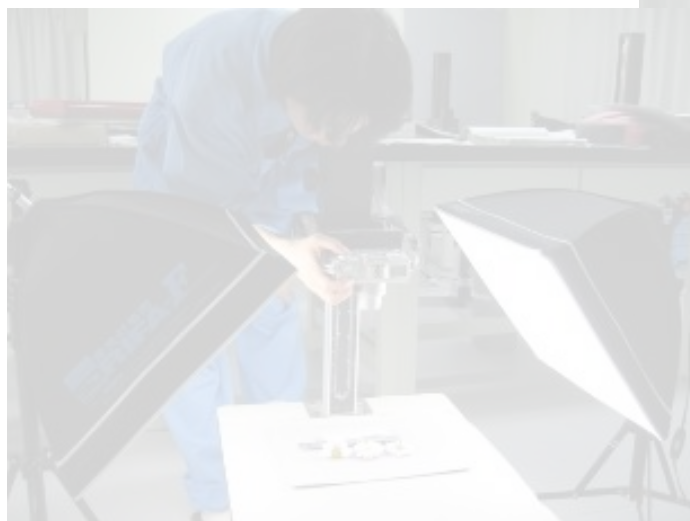
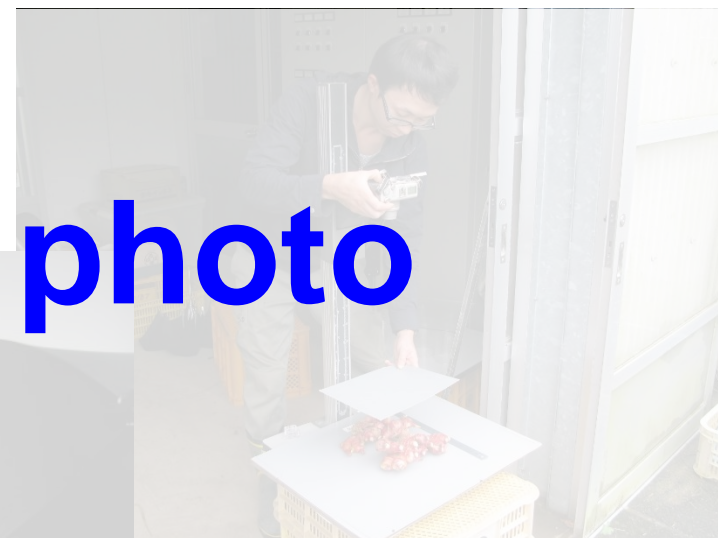


# How to take photo



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## Purpose of taking photographs

1. To show that plant growth and growth condition are suitable for DUS growing test.
2. To show the states of characteristics of varieties.
3. To show the evidence that distinctness and uniformity are satisfied, or not.

**Photos must support the result of DUS growing test .**

## Photo mode

1. The photo mode of camera should not be set on AUTO.
2. I recommend that you set to P (program) mode or A (aperture priority) mode.

**These mode enables detailed settings such as white balance and others.**



# Adjustment of White Balance



- It is the most important to adjust the white balance.
- It can appear to the natural color.



**not adjusted**

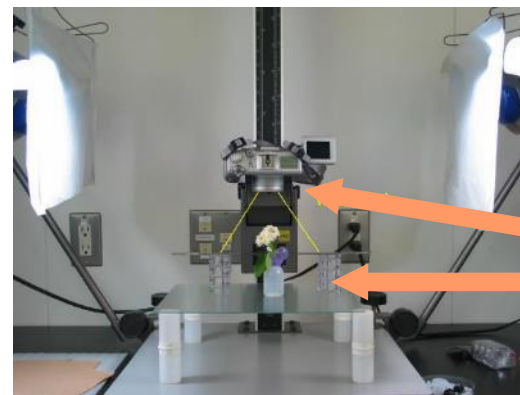


**adjusted**

## Distortion

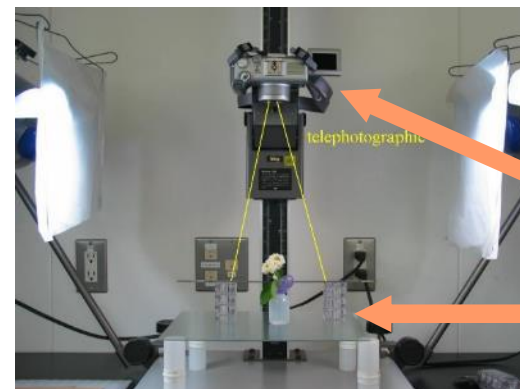
When you approach an object by the wide angle side of a camera, the peripheral areas of the photo will become distorted.

The ruler  
appears bend



wide angle  
side

The ruler  
appears stright



telephoto  
side



# Flash: not use



not used

changed into blue



used

# Exposure



too dark



too bright

When the taken photo was too dark or too bright, you should adjust the Exposure.

## Photographic objects

**we should select healthy samples of the variety that exhibit typical characteristics.**

**Scale**

**Composition**

**Focus**

**as large as possible**

**CASMATCH**

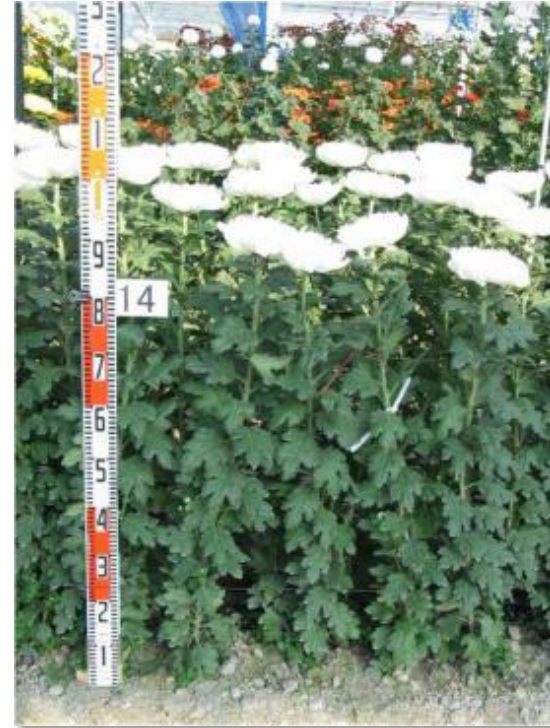
Denomination

**Label**

# Taking a photo outdoors



**Direct sunlight**



**Bright shade**

**When taking photos outdoors, you should avoid direct sunlight.**



# Typical Compositions: hot pepper



**Test Plot**

- Growing Conditions



**Plant**

- growth habit, height, etc



**Leaf**

- Length, shape color, etc.



**Flower**

- color, etc.



**Fruit**

- Size, Color, shape, etc.



**Cross Section of Fruit**

- thickness of flesh, etc.

**Photographs should be taken in order to show characteristics and growth conditions in varieties.**

# Comparison photos for distinctness-1



## Fruit of tree cotton

- Shape



## Stem of egg plant

- Pubescence

It would be very important to show a comparison photo in order to easily compare characteristics between varieties.



**Fruit of Jerusalem Cherry**  
▪ Color



**Flower of Pelargonium**  
▪ Intensity of undulation

e.g. Pelargonium



**you will need photos to explain that the characteristics of the candidate and comparing variety are no distinctness.**



# Typical Compositions: corn

If DUS growing test of the corn is conducted in Japan, we will take the photograph such as these.



**Plant**



**Leaf**



**Tassel**



**Ear**



**Cross section of ear**



**Grain**

If necessary, we will take other photos.  
**Comparison photos should be taken.**



**Silk**



**Silk**



**Brace root**



**Comparison photo: ear**



**Comparison photo: cob**



**Comparison photo: grain**

**What are the bad points of this photo?**





# Thank you for your attention.



## Have a good day.