# Brainstorm

**TIP**

You can select a sticky note and hit the pencil [switch to sketch] icon to start drawing!

### Before you collaborate

##### A little bit of preparation goes a long way with this session. Here’s what you need to do to get going.

###### 10 minutes

**1**

### Define your problem statement

##### What problem are you trying to solve? Frame your problem as a How Might We statement. This will be the focus of your brainstorm.

###### 5 minutes

**2**

### Brainstorm

##### Write down any ideas that come to mind that address your problem statement.

###### 10 minutes

**3**

### Group ideas

##### Take turns sharing your ideas while clustering similar or related notes as you go. Once all sticky notes have been grouped, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you and break it up into smaller sub-groups.

###### 20 minutes

**4**

### Prioritize

##### Your team should all be on the same page about what's important moving forward. Place your ideas on this grid to determine which ideas are important and which are feasible.

**20 minutes**

### After you collaborate

You can export the mural as an image or pdf to share with members of your company who might find it helpful.

**Quick add-ons**

**PROBLEM**

**How might we...predict the crop yield considering all the factors that has its influence in the growth?**

# & idea prioritization

Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.

1. Team gathering

Define who should participate in the session and send an invite. Share relevant information or pre-work ahead.

1. Set the goal

Think about the problem you'll be focusing on solving in the brainstorming session.

1. Learn how to use the facilitation tools

Use the Facilitation Superpowers to run a happy and productive session.

**A.Siva Sai**

Take the average production of any crop during recent years.

Analyse every single factor that influences the yield and produce the result.

Estimate production by asking farmers to estimate or recall the yield for an individual plot.

Estimate yield by sampling a small subplot within cultivated field

**A.Vamsi**

## 

Simply, harvesting the entire field to determine crop yield(Whole Plot Harvest)

Get estimation from experts who estimate the yield by visually assessing the crop condition such as color,density,etc.,

Use allometric models (mathematical relationship between plant morphological characteristics and crop yield) and determine the production estimate.

For the chosen seed variety, take the past productions of that variety and give its average as result.

**J.Sasank**

## 

Estimate by comparing current crop performance to previous crop performances

Find the correlation between yield and environmental factors from long term datasets and estimate the yield.

Finding yield per unit area and multiply with the total area of harvest.

Analyse the possibilities for yield deterioration and hence estimate the yield.

**J.Vineeth**

## 

Use remote sensing (based on the principle of spectral reflectance of green plants) and determine the yield/ production

Use remote sensing (based on the principle of spectral reflectance of green plants) and determine the yield/ production

With favorable environmental factors increase the estimated yield and vice-versa to obtain an average estimate of the yield.

Estimate crop area using GPS and hence evaluate yield by (total area\*yield per unit area)

Estimate using past records:

## 

Take the average production of any crop during recent years.

For the chosen seed variety, take the past productions of that variety and give its average as result.

Estimate by comparing current crop performance to previous crop performances

Estimate by Whole Plot Harvest:

Simply, harvesting the entire field to determine crop yield(Whole Plot Harvest)

Estimate by sampling a small area:

## 

Estimate crop area using GPS and hence evaluate yield by (total area\*yield per unit area)

Estimate yield by sampling a small subplot within cultivated field

Finding yield per unit area and multiply with the total area of harvest.

Estimate by periodic recording of yield :

Regular entry of extracted yield for plants with extended period of harvest like banana, can be used in estimation of the future yield.

Predict by asking experts to predict:

## 

Estimate production by asking farmers to estimate or recall the yield for an individual plot.

Get estimation from experts who estimate the yield by visually assessing the crop condition such as color,density,etc.,

**TIP**

Add customizable tags to sticky notes to make it easier to find, browse, organize, and categorize important ideas as themes within your mural.

Estimate by analysing external factors influence on crop yield:

With favorable environmental factors increase the estimated yield and vice-versa to obtain an average estimate of the yield.

Analyse every single factor that influences the yield and produce the result.

Use allometric models (mathematical relationship between plant morphological characteristics and crop yield) and determine the production estimate.

Use remote sensing (based on the principle of spectral reflectance of green plants) and determine the yield/ production

## 

Get estimation from experts who estimate the yield by visually assessing the crop condition such as color,density,etc.,

Estimate production by asking farmers to estimate or recall the yield for an individual plot.

Estimate yield by sampling a small subplot within cultivated field

Finding yield per unit area and multiply with the total area of harvest.

Estimate crop area using GPS and hence evaluate yield by (total area\*yield per unit area)

1. Share the mural

**Share a view link** to the mural with stakeholders to keep them in the loop about the outcomes of the session.

1. Export the mural

Export a copy of the mural as a PNG or PDF to attach to emails, include in slides, or save in your drive.

**10 minutes** to prepare

**1 hour** to collaborate

**2-8 people** recommended

[**Open article**](https://support.mural.co/en/articles/2113740-facilitation-superpowers)

**Keep moving forward**

Strategy blueprint

Define the components of a new idea or strategy.

Prediction by analysing morphological characteristics:

Analyse the possibilities for yield deterioration and hence estimate the yield.

Find the correlation between yield and environmental factors from long term datasets and estimate the yield.

[Open the template](https://app.mural.co/template/e95f612a-f72a-4772-bc48-545aaa04e0c9/984865a6-0a96-4472-a48d-47639307b3ca)

Analyse the possibilities for yield deterioration and hence estimate the yield.

Analyse every single factor that influences the yield and produce the result.

Find the correlation With favorable

Use remote sensing (based on the principle of spectral reflectance of green plants) and determine the yield/ production

Use allometric models (mathematical relationship between plant morphological characteristics and crop yield) and determine the production estimate.

between yield and environmental factors environmental factors increase the estimated

Customer experience journey map

from long term yield and vice-versa to

datasets and estimate obtain an average

#### Importance

If each of these tasks could get done without any difficulty or cost, which would have the most positive impact?

For the chosen

Simply, harvesting the entire field to determine crop yield(Whole Plot Harvest)

the yield.

estimate of the yield.

Understand customer needs, motivations, and obstacles for an experience.

[**Open the template**](https://app.mural.co/template/b7114010-3a67-4d63-a51d-6f2cedc9633f/c1b465ab-57af-4624-8faf-ebb312edc0eb)

**Strengths, weaknesses, opportunities & threats**

Identify strengths, weaknesses, opportunities, and threats (SWOT) to develop a plan.

[Open the template](https://app.mural.co/template/6a062671-89ee-4b76-9409-2603d8b098be/ca270343-1d54-4952-9d8c-fbc303ffd0f2)

seed variety, take Take the average

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production of

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variety and give its average as result.

Estimate by comparing current crop performance to previous crop performances

recent years.

Regular entry of extracted yield for plants with extended period of harvest like banana, can be used in estimation of the future yield.

TIP

Participants can use their cursors to point at where sticky notes should go on the grid. The facilitator can confirm the spot by using the laser pointer holding the **H key** on the keyboard.

[Share template feedback](https://muralco.typeform.com/to/CiqaHVat?typeform-source=app.mural.co)

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#### Feasibility

Regardless of their importance, which tasks are more feasible than others? (Cost, time, effort, complexity, etc.)



**Template**

**Need some inspiration?**

See a finished version of this template to kickstart your work.

|  |  |  |
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|  |  |  |

[**Open example**](https://app.mural.co/template/e5a93b7b-49f2-48c9-afd7-a635d860eba6/93f1b98d-b2d2-4695-8e85-7e9c0d2fd9b9)