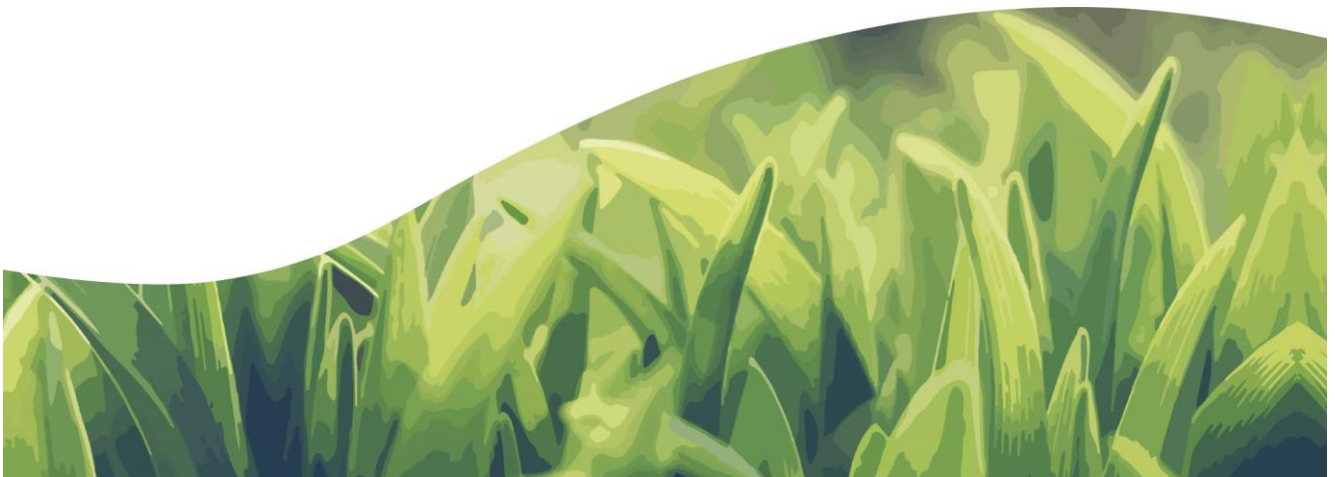




Instructions

- Explanatory note –
- Benefit –
- Mode of action –
- Product data –
- Application –
- Usage recommendation –
- Test design –



Explanatory notes

Take advantage of biostimulation with the Penergetic technology for increased crop yield and plant quality.

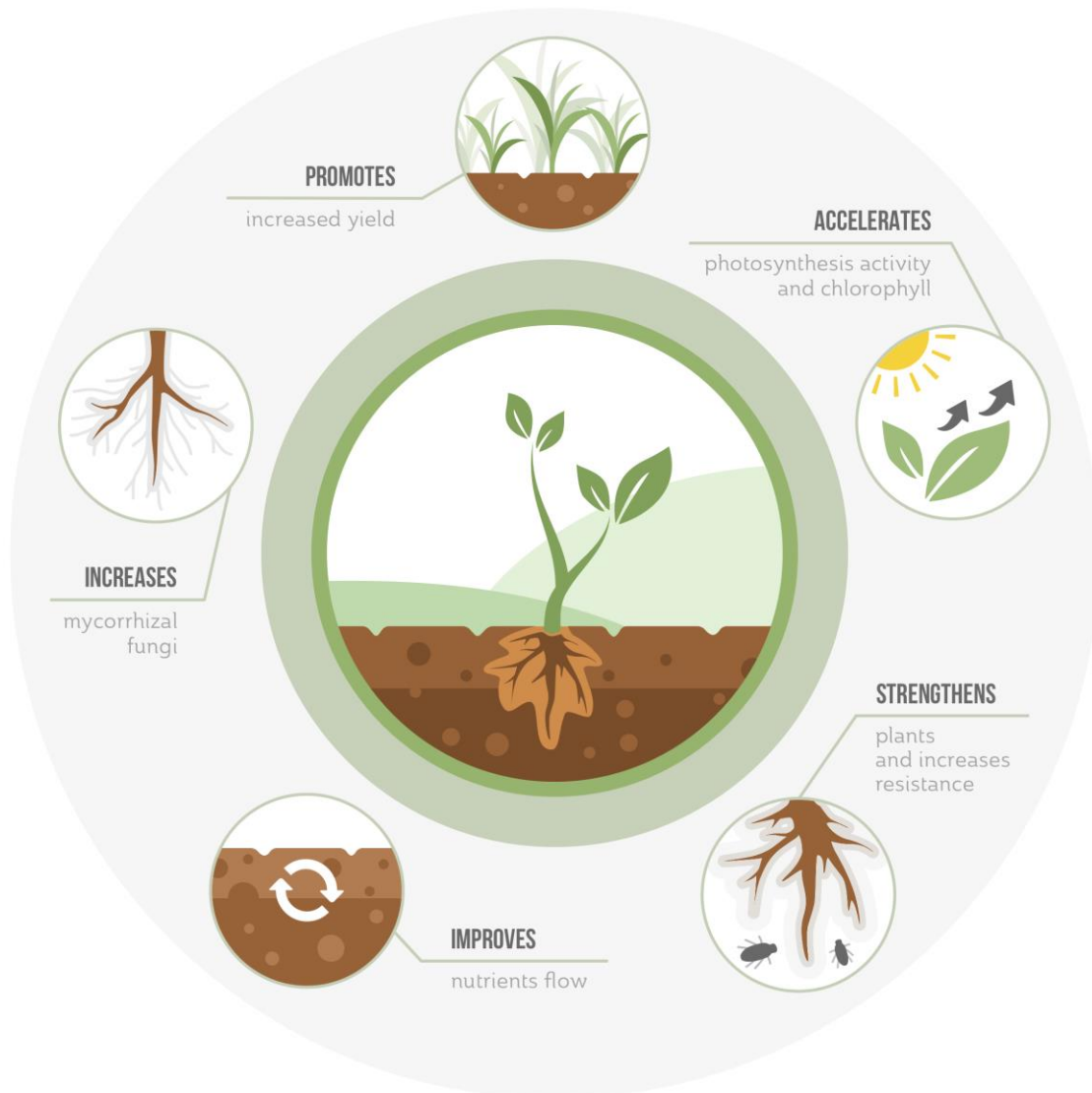
penergetic p is used as a plant tonic. The product has a stabilizing effect on plant growth and strengthens the immune system of the plants. This reduces susceptibility to diseases and pest infestation.

Additional benefit is the stimulating on microbiology in the root area and increase of the plant's natural nutrient uptake. Plants become more resistant and through that a better productivity.




Benefits

- Stimulates root growth
- Improved assimilation of nutrients
- Stimulates plant growth
- Increase mycorrhizal fungi
- Strengthens plants and increases resistance
- Reduction of fertiliser
- Cost savings
- Accelerate chlorophyll and photosynthesis activity
- Improved yield and enhanced crop quality
- Better biological quality
- Increase stress resistance
- Improves nutrient flow
- Environmentally friendly
- Improve assimilation of nutrients
- Activates the symbiosis of soil-root-plant
- Stabilisation of the biological optimum for plants
- Works synergistically with other agri-inputs

Mode of action



Product data

	Carrier material	Package	Shelf life
	Bentonite	Box	200 gr
		Bucket	2.5 kg / 10 kg
		Bag	8 kg
	Bentonite ultra fine	Bucket	2 kg / 8 kg
		Bag	6 kg
	Molasses	Canister	2.5 lt / 10 lt

We offer further carrier material, please ask us

Product forms	Article no.	Note
penergetic p Standard	4000	For all type of plants
penergetic p Flowers	4100	For all type of flowers
penergetic p Lawns	4110	Special product for lawn
penergetic p Fruit growing	4200	For all type of fruits
penergetic p Pineapple	4220	Specialized fruit product for pineapples
penergetic p Wine	4300	Special products for viticulture
penergetic p Wine fungicide	4301	
penergetic p Potatoes	4510	Specialized product for potatoes
penergetic p Vegetables	4520	For all type of vegetables
penergetic p Cereal & Corn	4540	Specialized product for cereal and corn
penergetic p Wire worm	4550	For wire worm control

Further specific products on request

Application

The following doses are recommended by Penergetic International AG. These are general recommendations that need to be adapted according to local conditions. Factors like weather, climate, soil, plant species etc. can influence the products' efficacy.

On large areas (from approximately 500 hectares upwards) we recommend carrying out specific analyses in order to optimize the application of Penergetic products.

- For this purpose, Penergetic provides a template

penergetic p can be applied for all cultures and it can also be mixed in with most plant protection agents and fertilizers. However, the instructions from the manufacturers of the individual products must be adhered to. If necessary, a trial mix can be prepared. Mix the product with water and stir continuously before adding the mix to the spraying tank. Then pour the mix into the spraying tank with the agitator running and spray. For optimal results we recommend applying the product regularly.

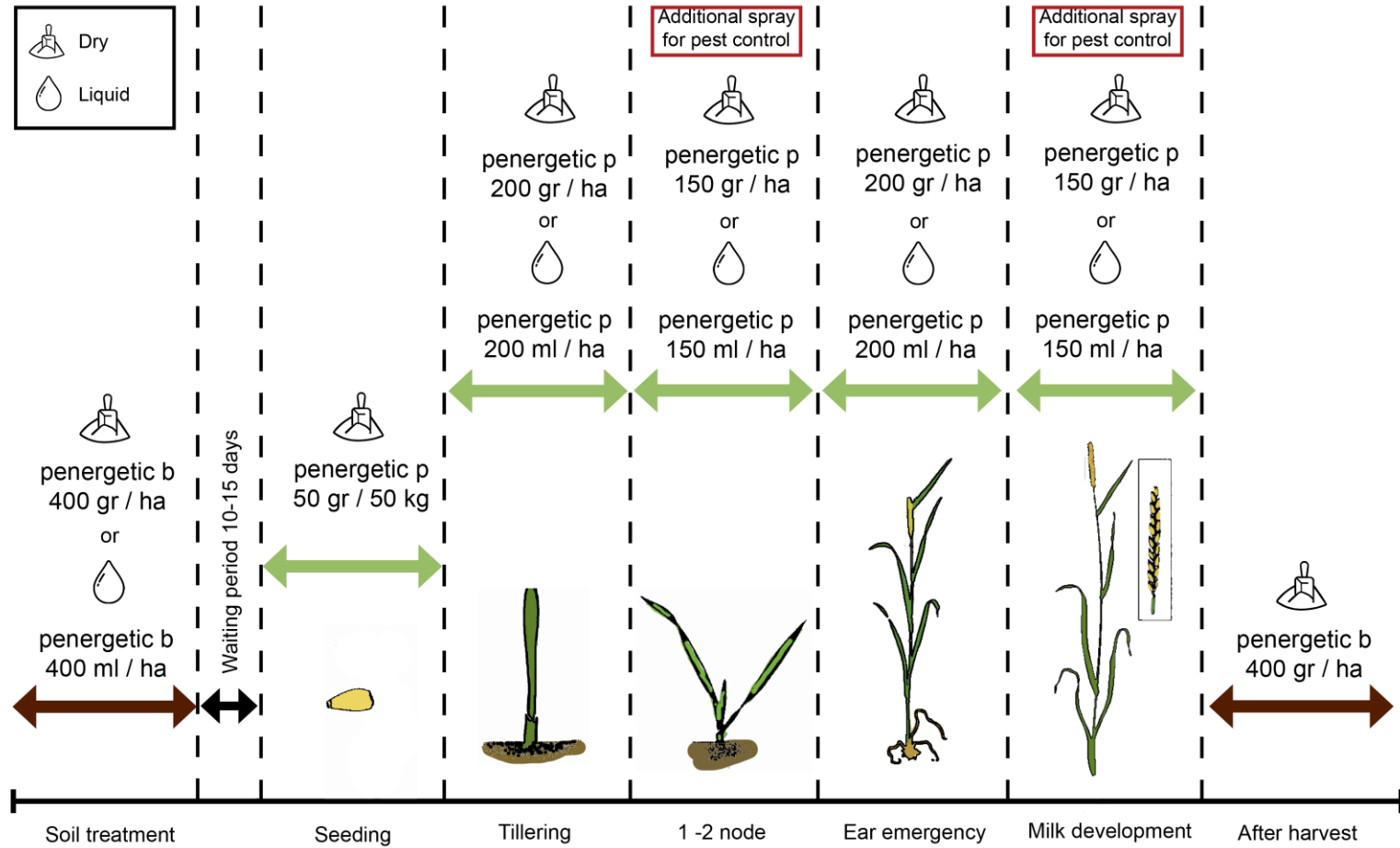
Do not mix with oily substances.

A combined application of dry and liquid product is possible.

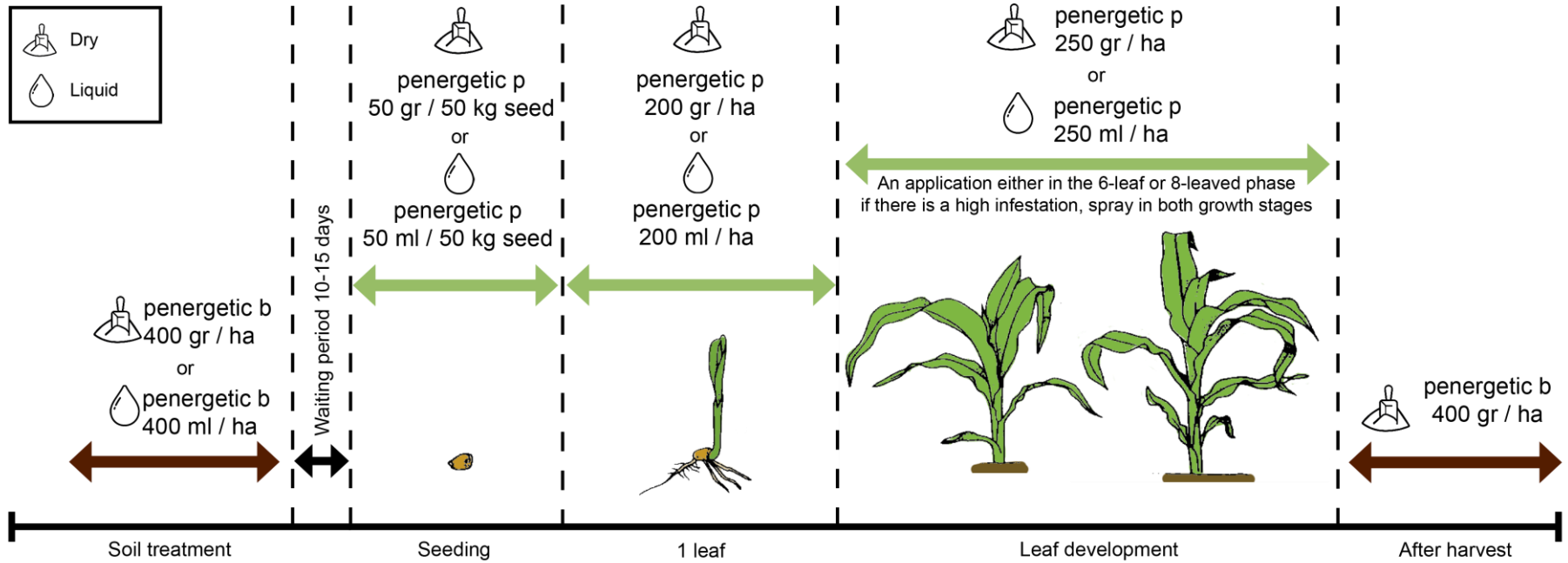
You will find further information and instructions for carrying out trials at the end of this document.

Usage recommendation

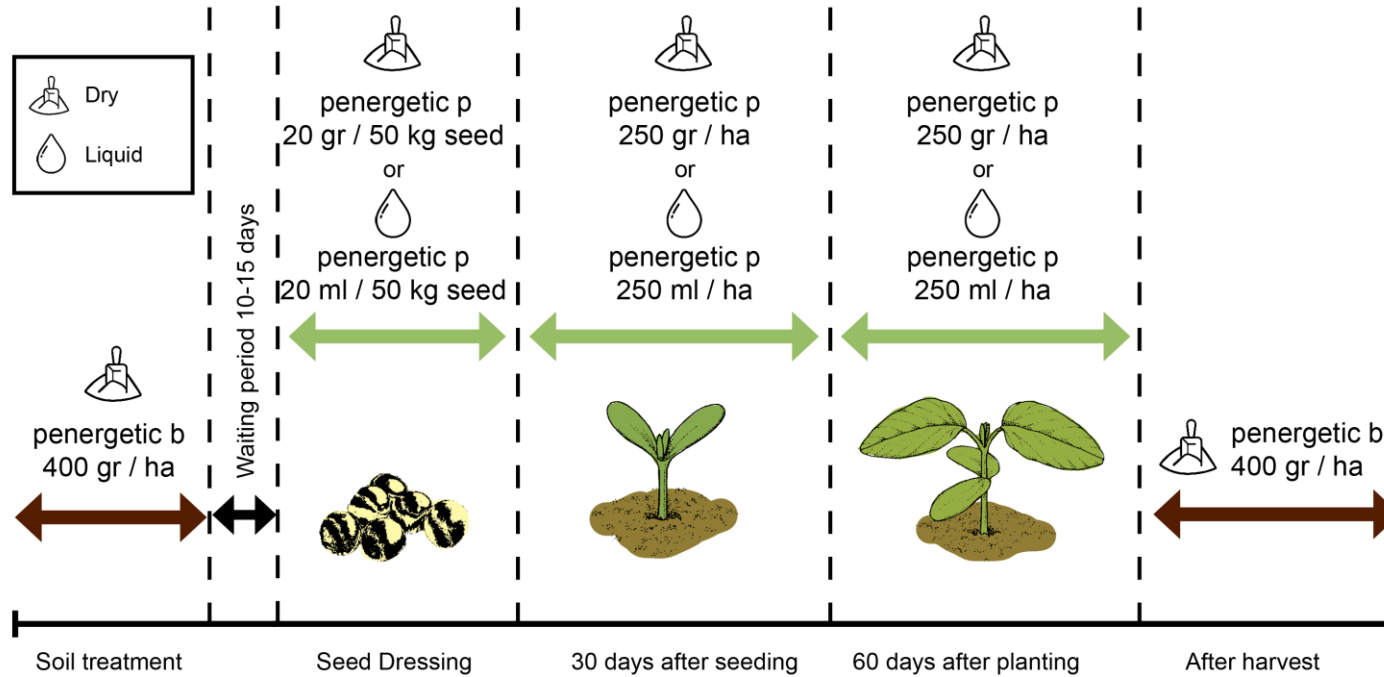
Cereals



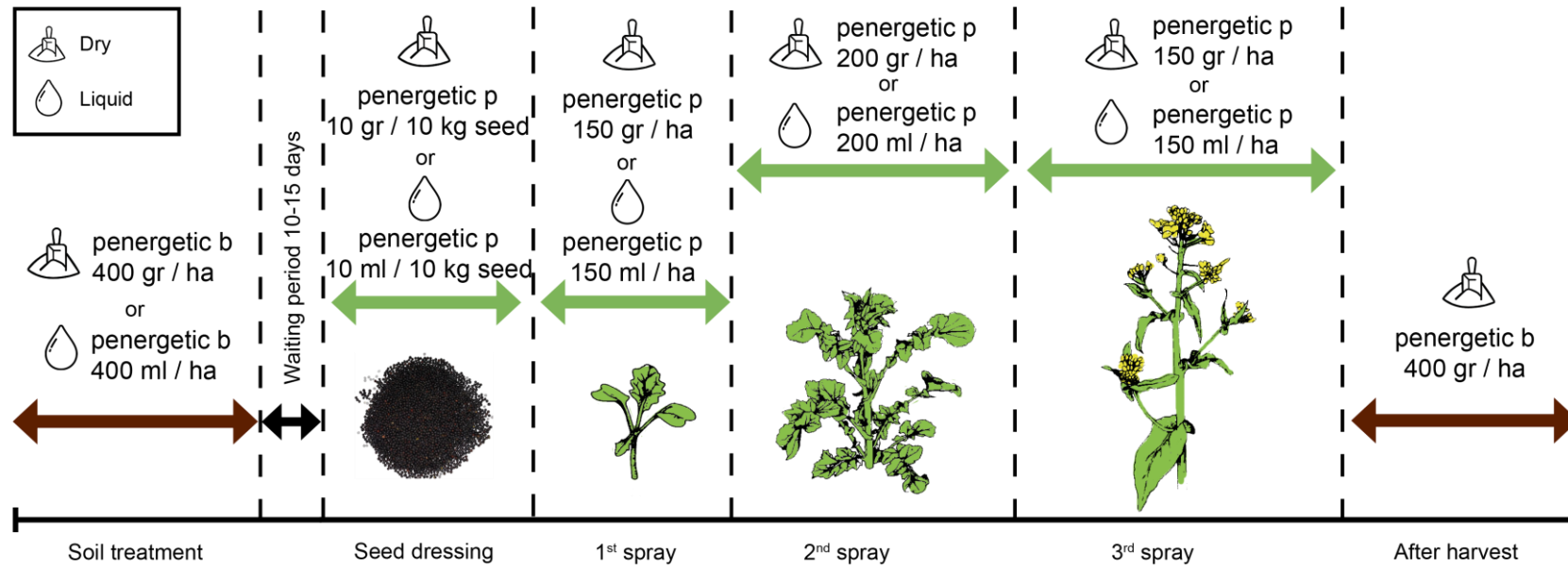
Corn



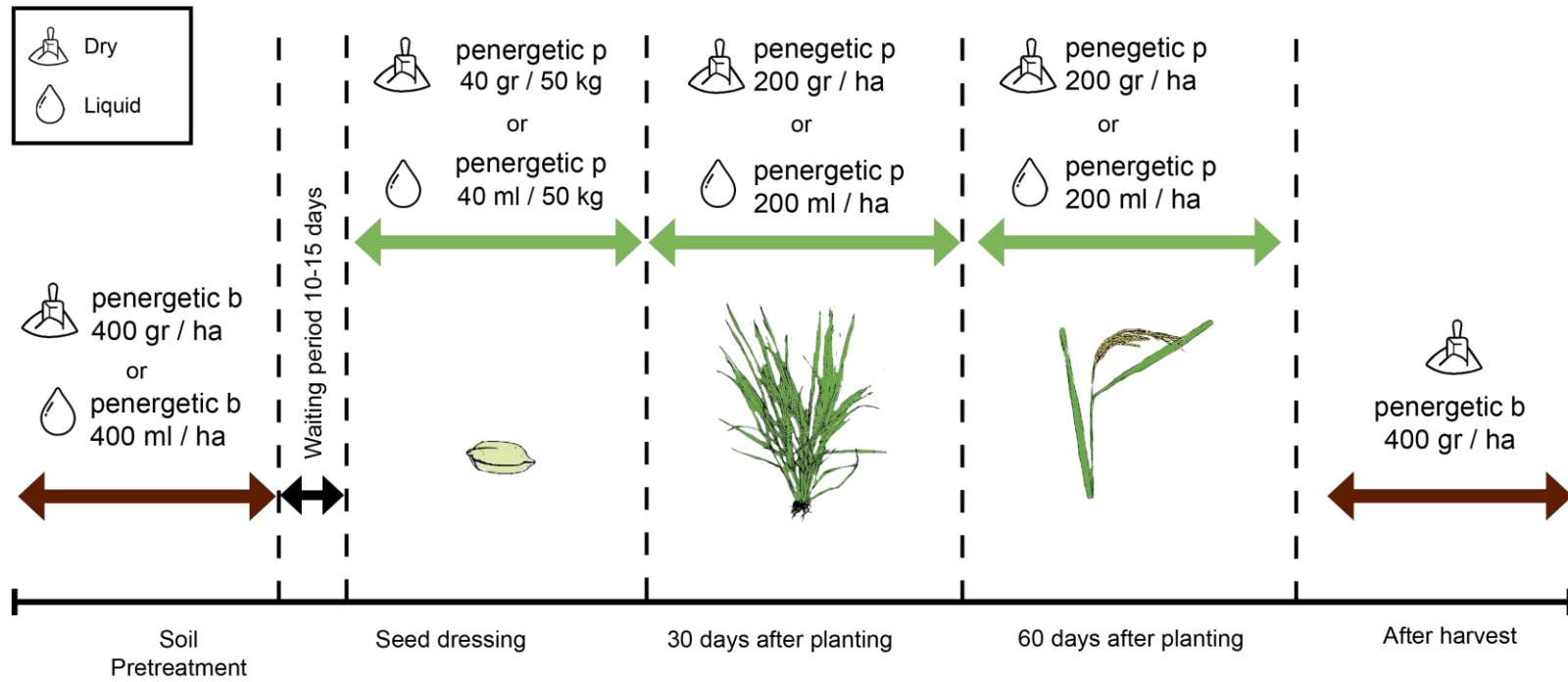
Soya/Sunflower



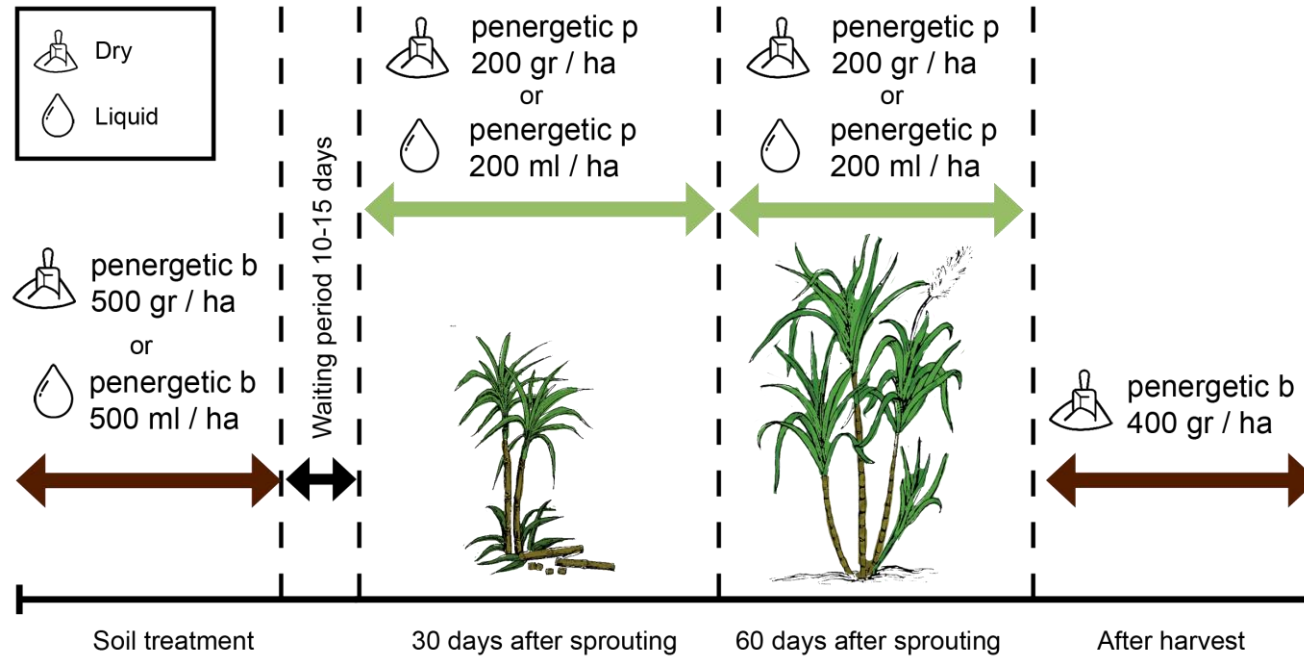
Rapeseed



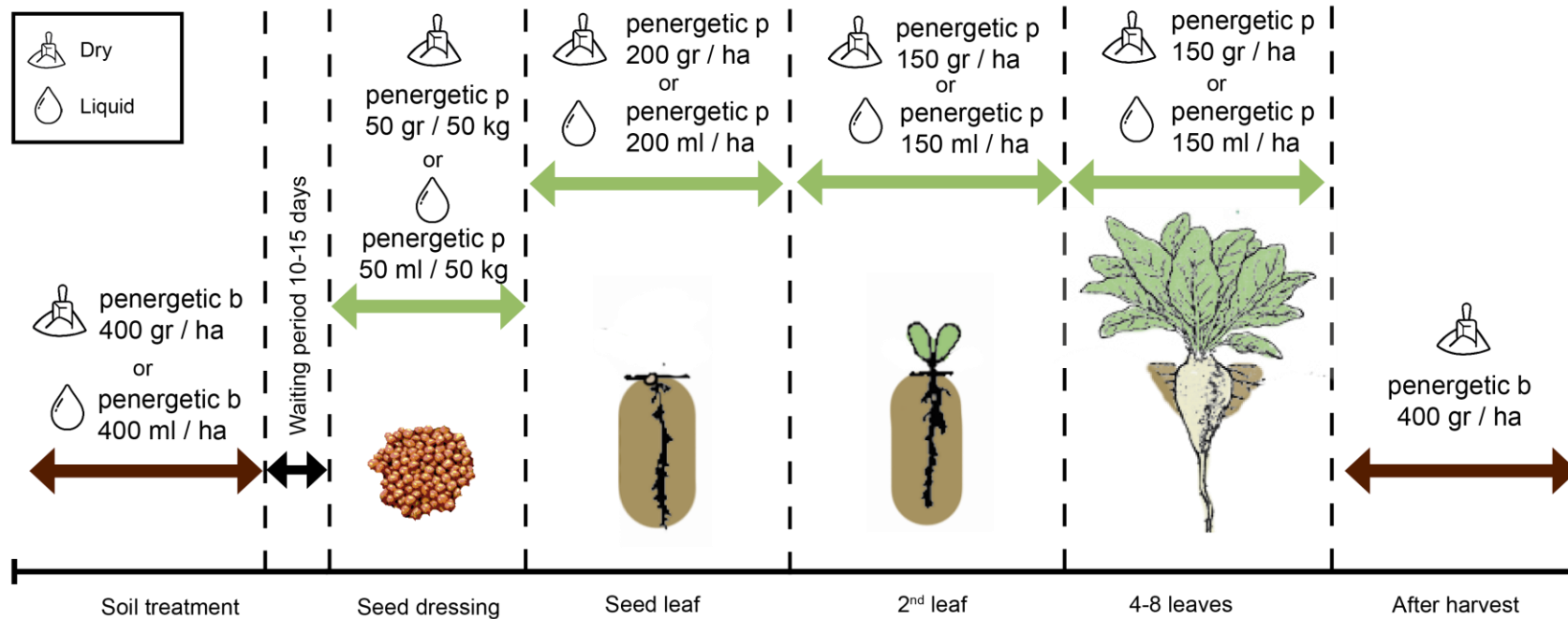
Rice



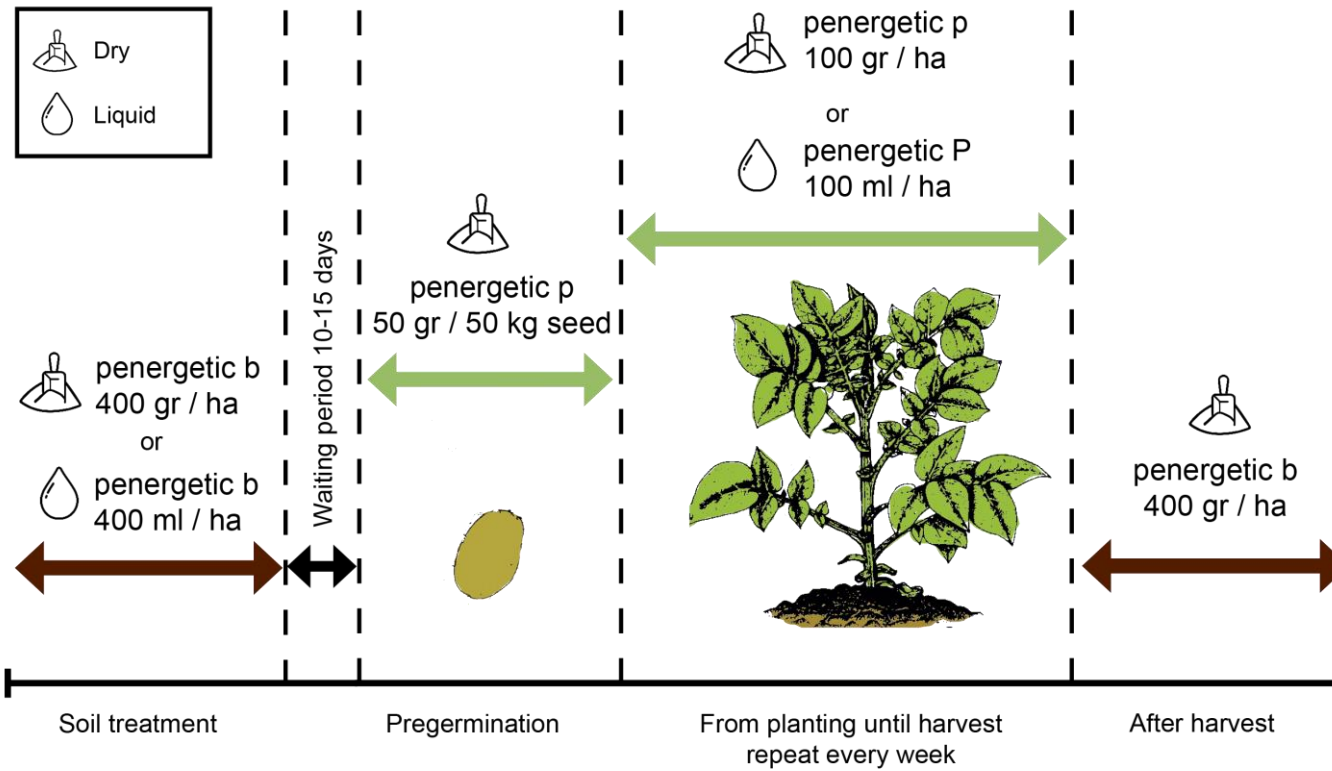
Sugar Cane



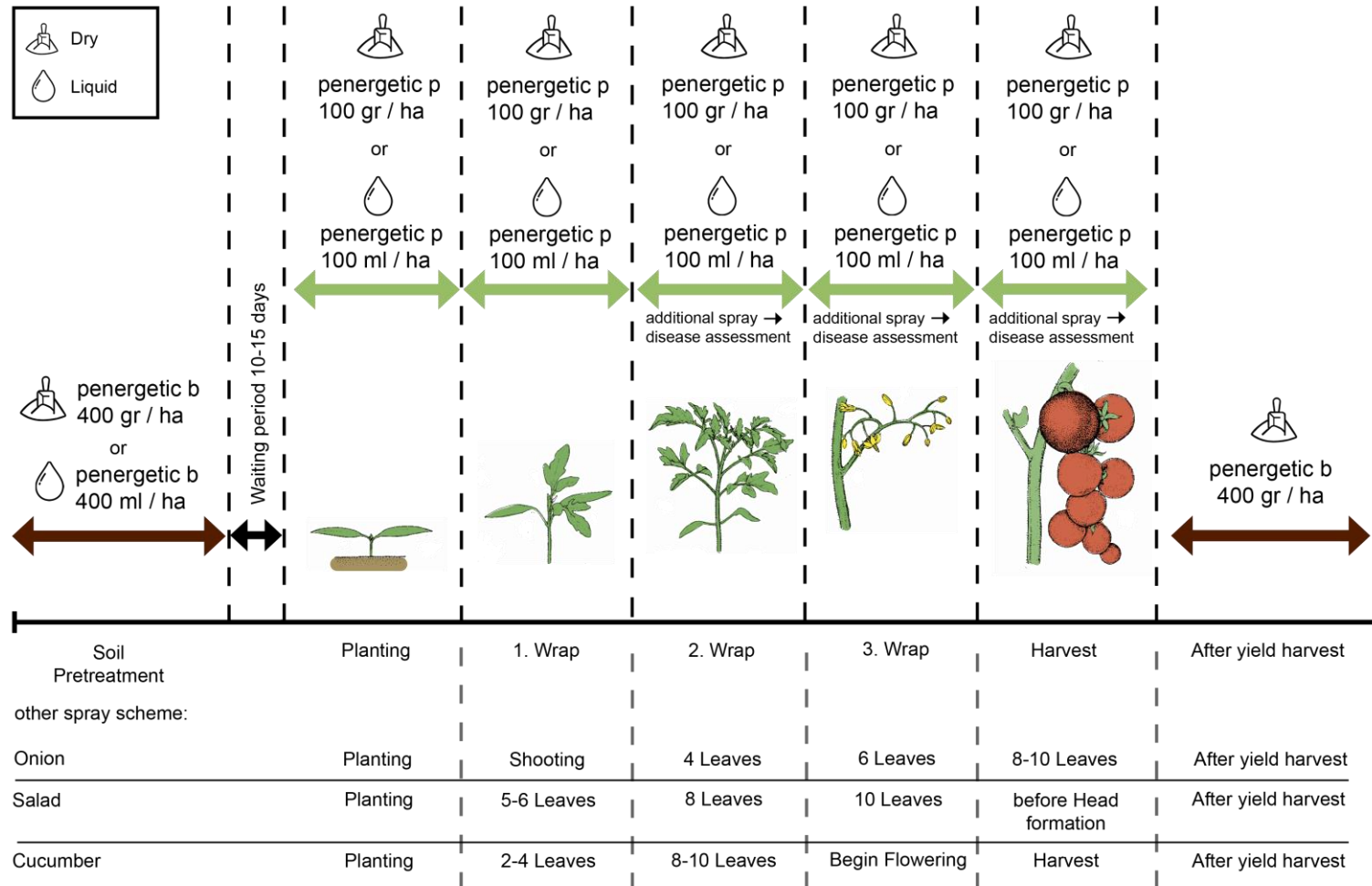
Sugar Beet



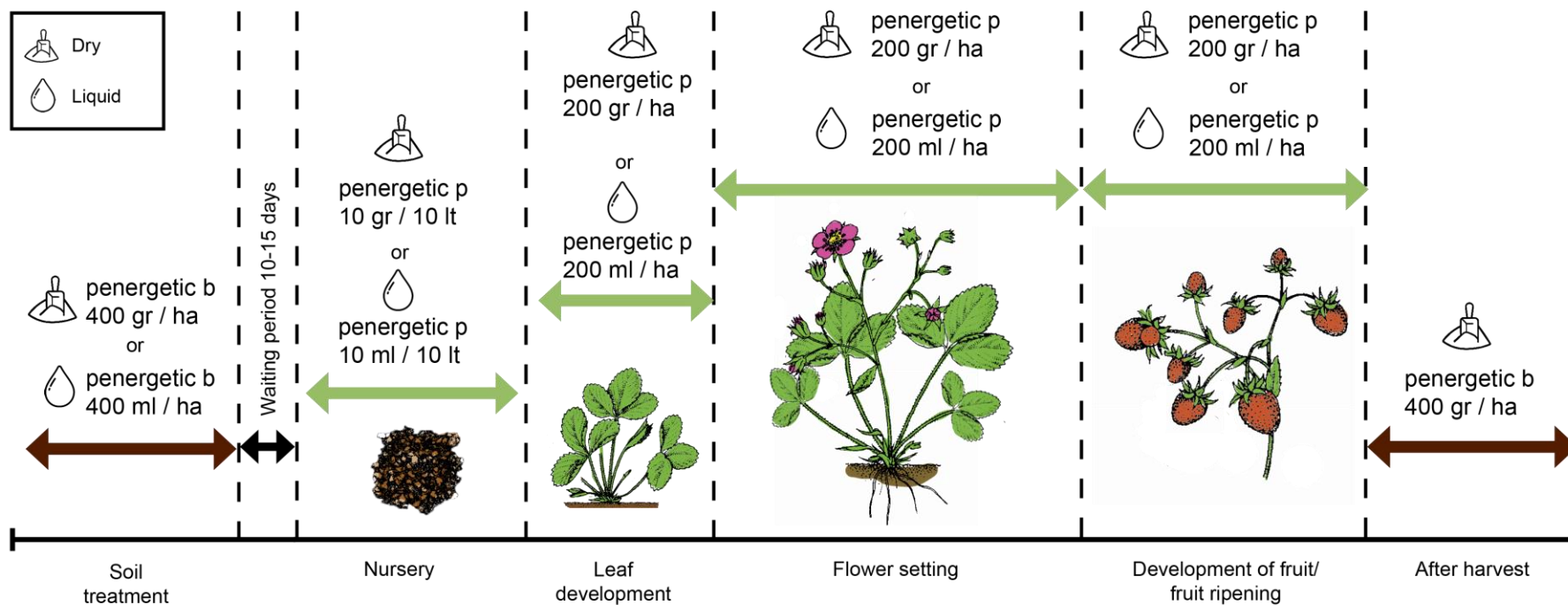
Potatoes



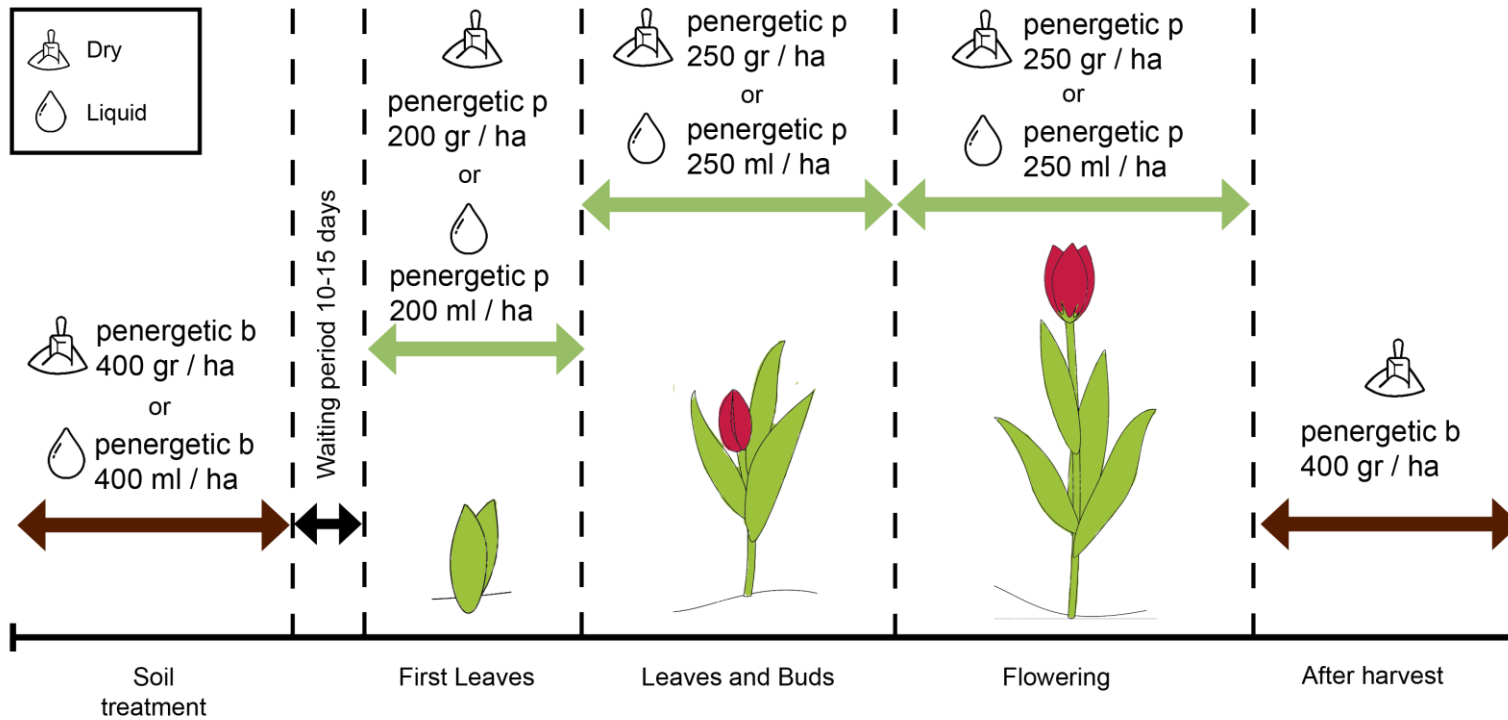
Vegetables (Field)



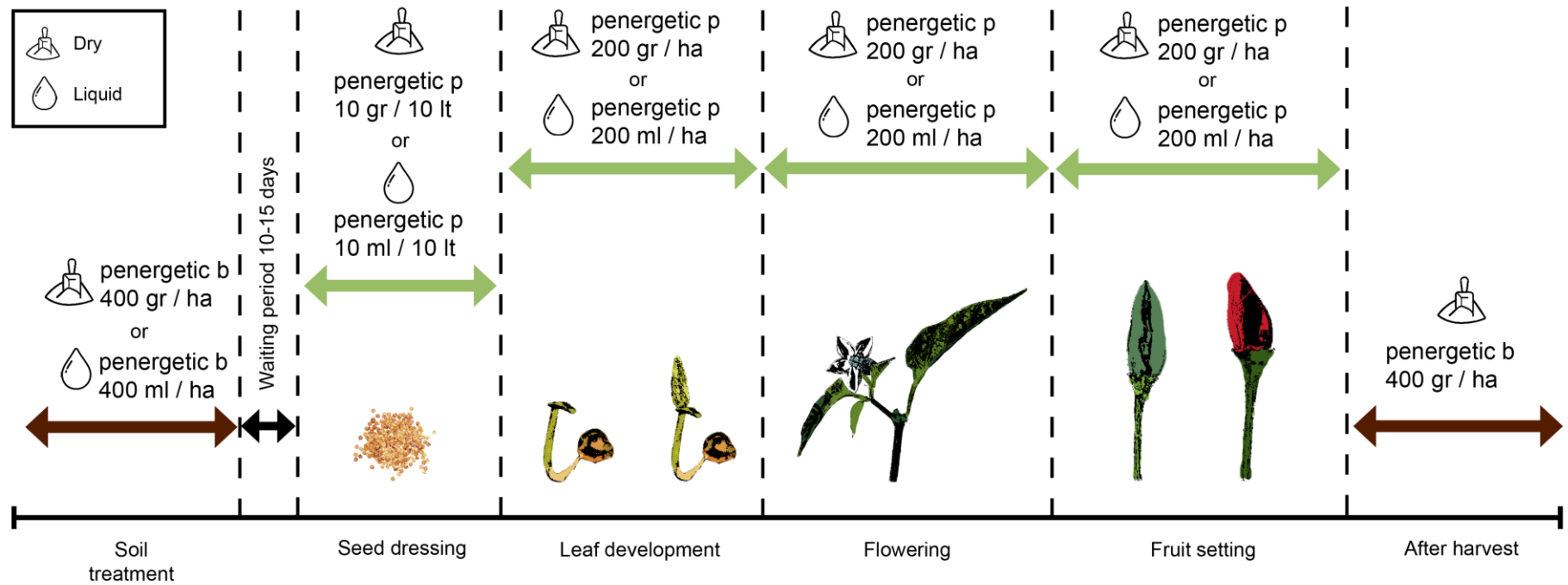
Berry fruits (Strawberry, Blackberry, Raspberry, Black currant)



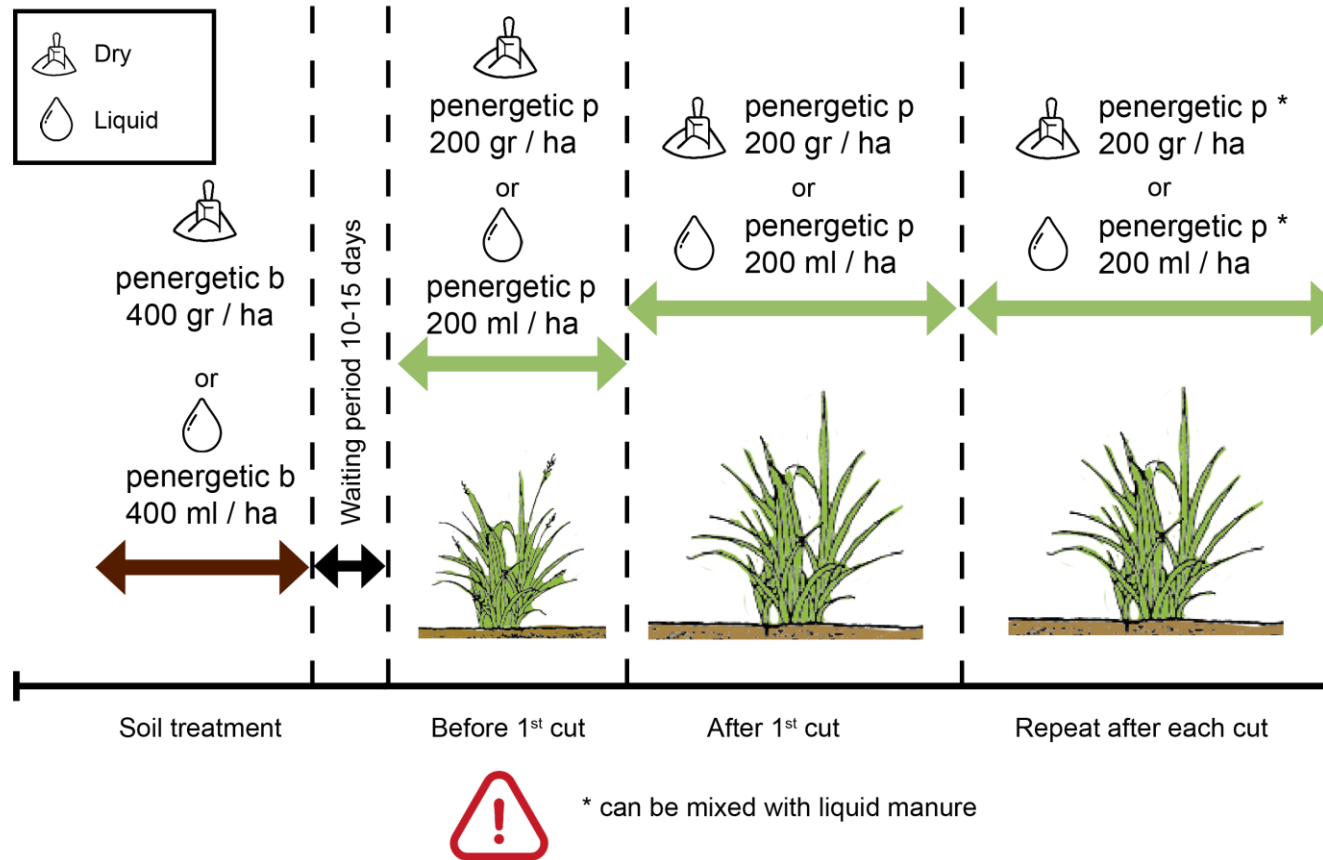
Flowers (Roses/Cut Flowers/Plantation)



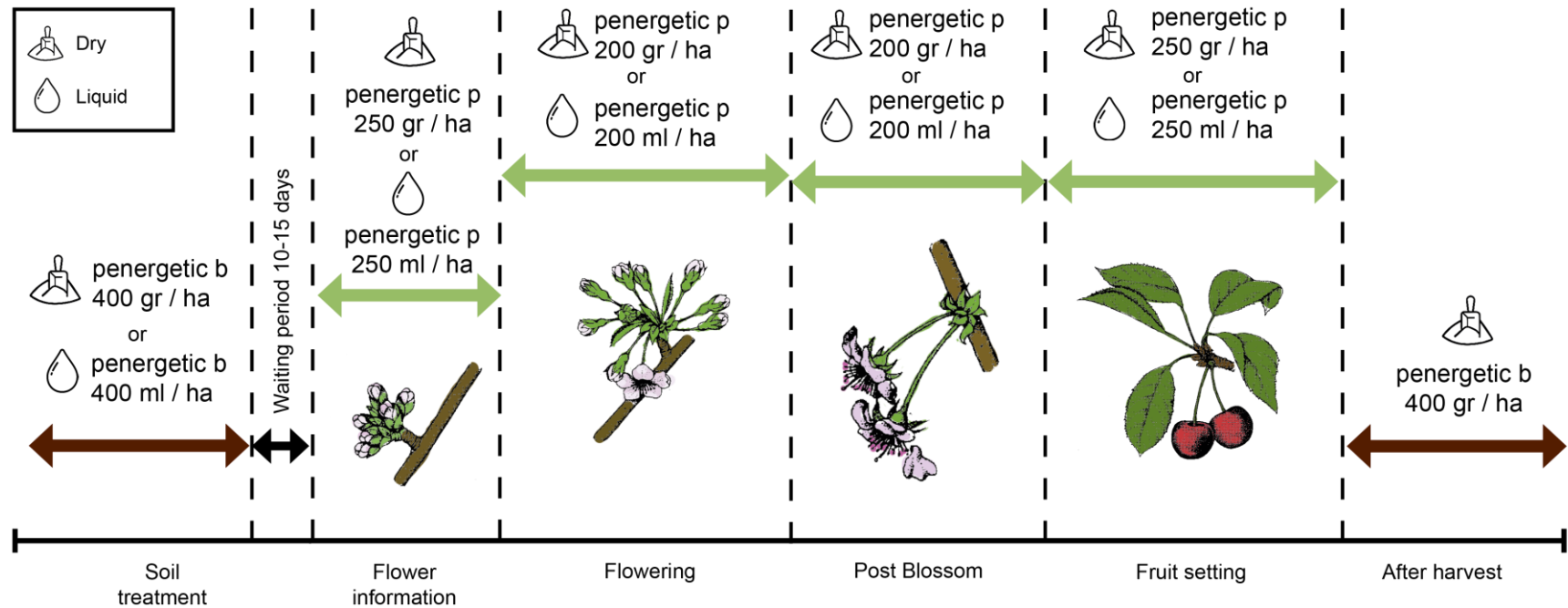
Spices / Herbs



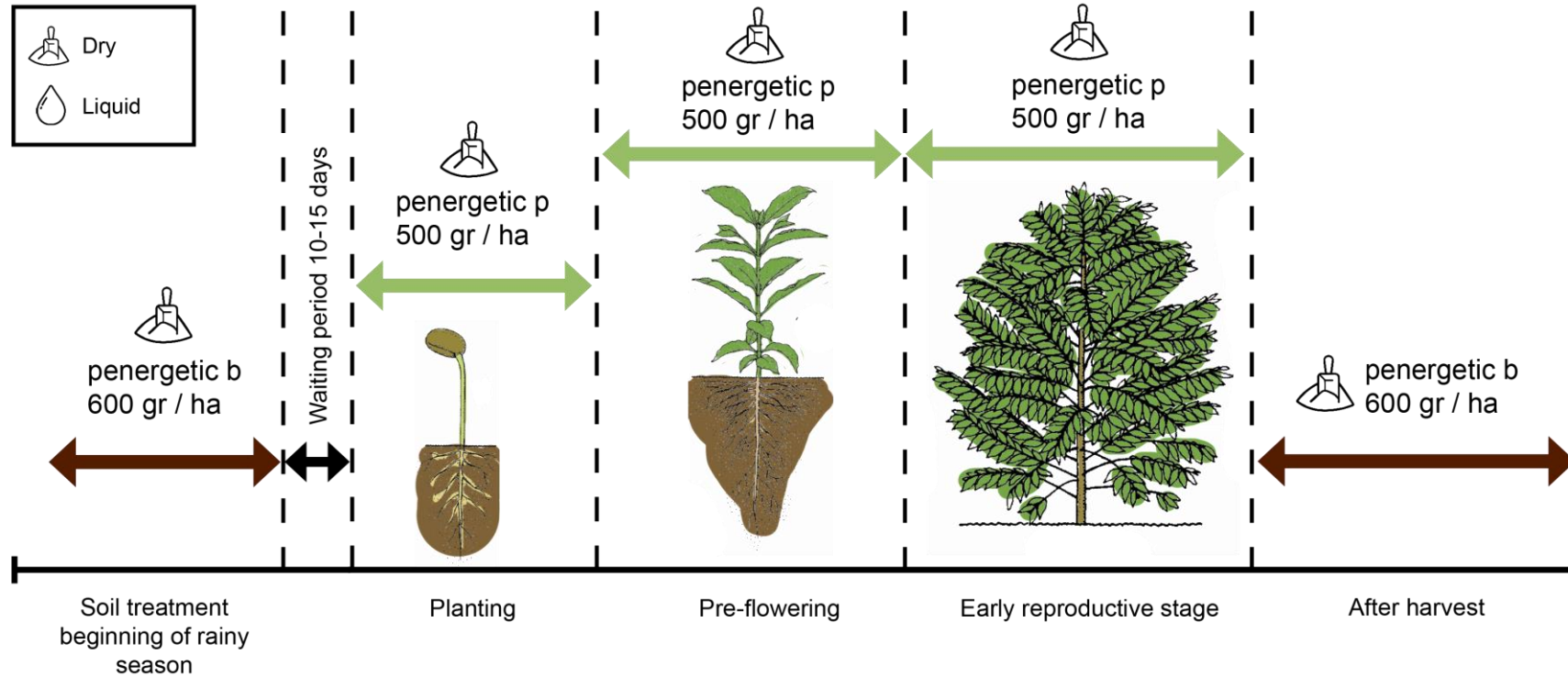
Pastures



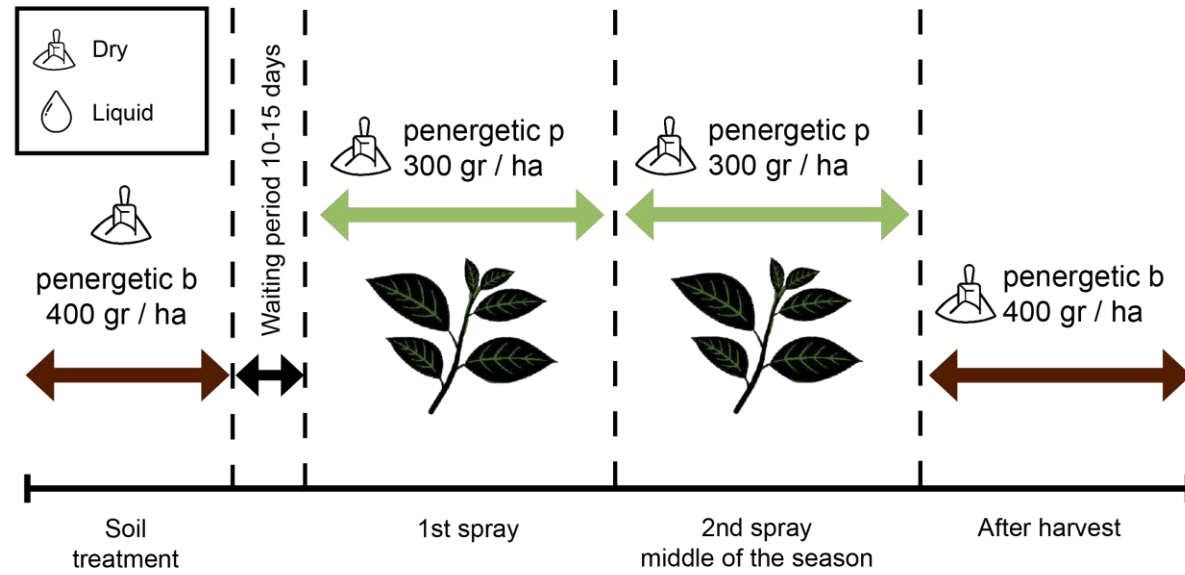
Fruit growing (also for Kiwi, Cherries, Plums, Prunes, Citrusfruits etc.)



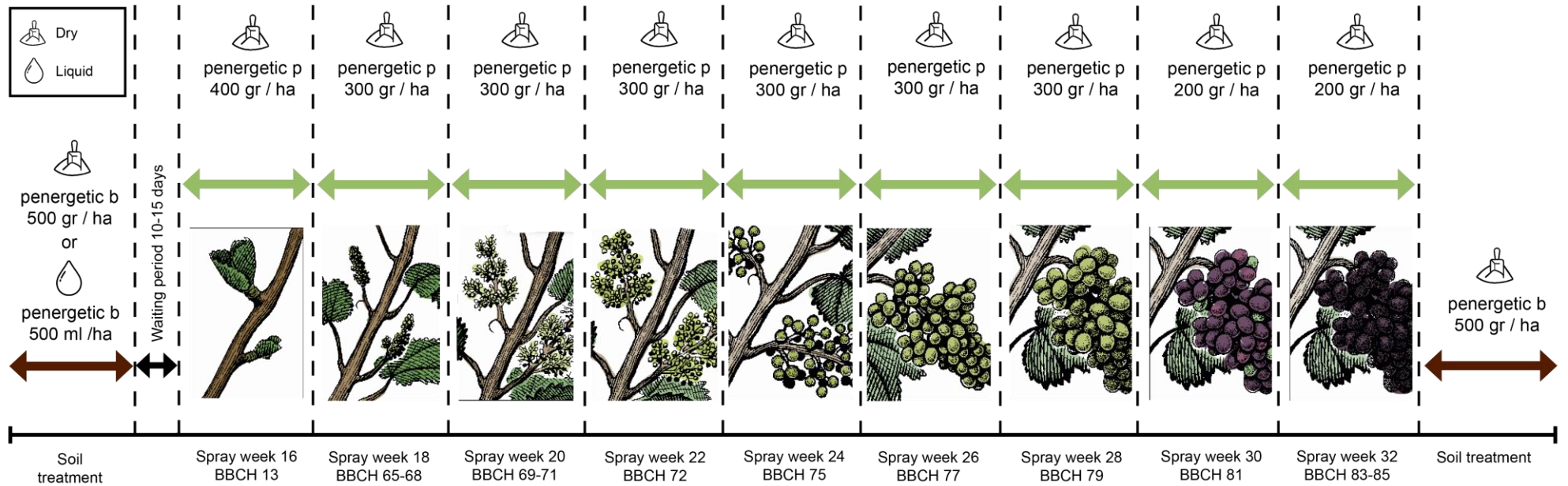
Coffee and Jatropha



Tea

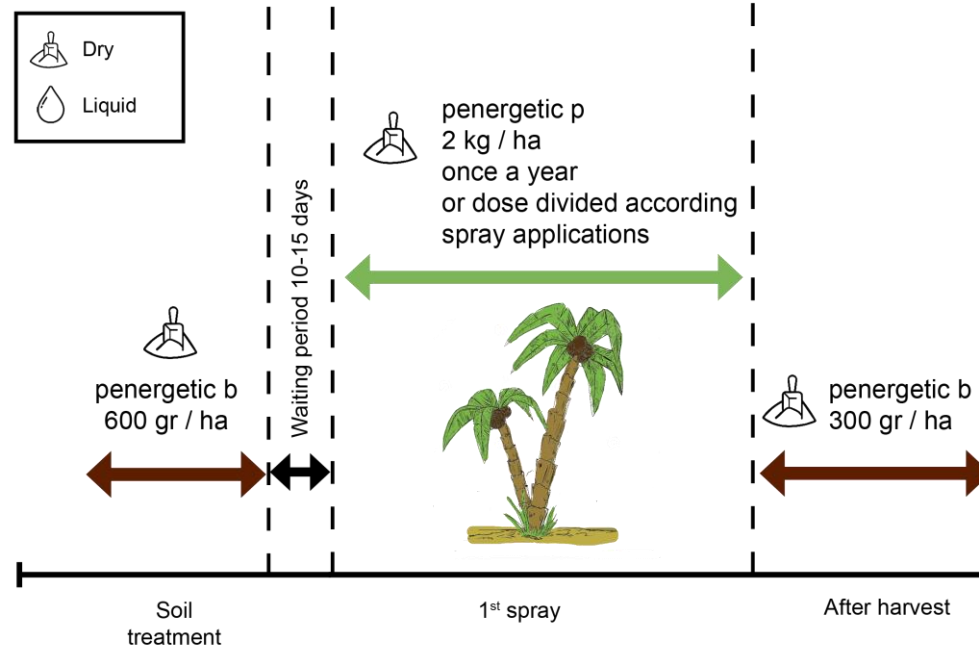


Viticulture



Art.Nr.	Application amount (Use a application mixture of penergetic p 4300 & 4301)								
4300	200 gr	150 gr	150 gr	150 gr	150 gr	150 gr	150 gr	100 gr	100 gr
4301	200 gr	150 gr	150 gr	150 gr	150 gr	150 gr	150 gr	100 gr	100 gr

Palm trees



Test design

The simplest test design consists of two series of tests, one with Penergetic and one without (control). To get the best results consider the following instructions.

Prevention measures against unwanted transfer of effects

- Penergetic products possess the ability to transfer their effects to their environment. A glass, for instance, having contained a Penergetic product can transfer its effect characteristics to its next contents, even after thorough cleansing. In order to rule this out it is essential to use separate jars, spray can and utensils, marked in detail, throughout the entire duration of the test.
- If working with machines, do first the control area. Then mixing the Penergetic products in the sprayer or tank and apply it on the test (Penergetic) area. After that clean the equipment.
- For the arrangement of pot tests, a distance of 1.5 m between the pots has proven to be sufficient. In the case of tree tests, distances of 5 -10 m are advisable. Special attention is called if Penergetic objects or the test objects come in contact with water or metal. Water transfers information particularly quickly over a long distances.
- It takes several weeks until the effect of the Penergetic information will be disappeared from the test device.
- Tests should not be done on glass or metal tables that are connected to each other, this could lead to an information transfer.
- If there is an inclined ground, put the Penergetic test at the bottom so there is no contamination.

Reduction of fertiliser

The Penergetic products work as an enhancer. If the customer is using mineral fertiliser (NPK) or similar products they should reduce it by ~20% to balance the enhancement.

Mixing penergetic b and penergetic p

Do not mix penergetic b and penergetic p together. Allow at least 10-15 days in between when using penergetic b and penergetic p. Optimal are 20 days.

Application

Penergetic Int. AG provides a general spray / application scheme.

How to set up and document a trial

- Define a responsible person who takes care about the test
- Take pictures from the beginning (make high quality pictures)
- Use previous documents of evaluations/analyses without Penergetic to make a clear comparison
- Use previous soil analysis or make one before the trial
- Description of the initial situation
- Description of the objective / goal
- Create a data / control sheet where all the parameter (dose, application rate etc...) are written down