

# **Professional offshoot Education**

**New method:  
2013**

**Offshoot Education Step by Step**

**Operating outside the production Peoples**

- **"1 do 10 !!"**

- **"From 50 am 500 !!!"**

**Attention!**

- **you no longer manages and**
- **... The spin boxes are not enough !!**

**Produce from the ground, from the abundance.  
Excess reserves guarantee (pollen and feed)**

The organization in companies which may have specialized in the branch formation by the following method will be performed.

To allow a fast working the spin boxes in five-card groups are straight erected on pedestals. The air holes are located in alternating directions. They stand firmly together and heat each other and form so-called heat blocks.

Note to dilute feed:

- = 1: 1 granulated sugar / water or a minimal addition of water.
- Finished feed (syrup) diluted with 20-30% water.  
Apiinvert - Fructoplus - Trim O Bee etc.

touch Diluted feed before use fresh and feed immediately.

---

There are 3 sites.

1. **Multiplication Station;** Location of overwintered cuttings for propagation  
by Erweiterungszarge bees and brood combs.
- . 2 **The Begattungsplatz**
- . 3 **The or the offshoot Scores**

All 3 places should be separated at least at a distance of 3 km Airport radius in order to prevent the backward fly of the older bees. A convenient starting all seats avoids much towing work.

### 1. **Multiplication Station**

For rational reasons propagation cuttings are placed on a stand throughout the year. Their number should not exceed the 60th Units with a lack of development or other problems are resolved and replaced by flawless offshoot of an offshoot of jurisdiction.

### . 2 **The Begattungsplatz**

This place should be in non-cash close operation. Increasingly intervention required as Zelleneinhängen, Begattungskontrollen and further measures can thus be quickly tested erledigt. should To allow optimal copulation be installed in the immediate area larger numbers of drones peoples with selected genetic material.



A special drone frame for enhanced breeding should be these nations available. umweiseln peoples with any Macke (poor development, breeding problems and misbehavior immediately.

### . 3 Offshoot stand or stands

Note when selecting offshoot stands-stood on a rich and continuous pollen offer. Southern sheltered layers promote the development mainly in the spring.



Autumn feeding means syrup pump to a larger Ablegerstand.

With continuous construction of 3 stations proliferation occurs early August if sufficient Drohnendic hte there.

- **propagation station** - Mid-April on the to Early August.
- **Begattungsplatz** - 15 to 25 June to early August
- **Offshoot Place** - Early July to early August



Heimtransport from 15 April open air holes for delivery to the customer or implementation in a prey (10 or 12 frames).



### proliferation stand:

Offshoots around the 10 to 15 April

Besides status:



Population estimate on transparent advancement of the feed trough.

Time with this bee strength to:

- Implementation in a normal prey.
- Drafting of an on Erweiterungszarge
- Place extension with 1 Fachzarge with 12 Minirähmchen or Honigrähmchen.



special feature:

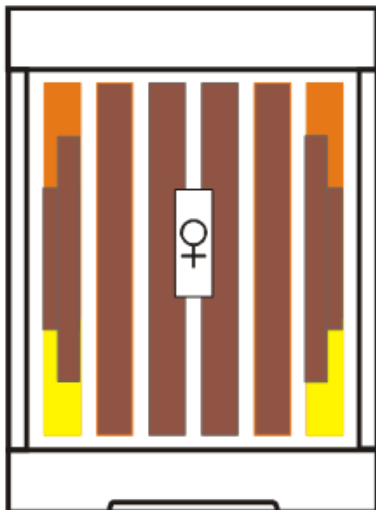
This method is suitable not only to form a large number of spin-off, but also to produce brood combs for filling mini-Plus. Through the use of six honeycomb Dadant

sheet Flachzargen, Which 6 accommodation honeycomb in longitudinal position and 12 mini-Plus honeycomb in cross position,

becomes the generation from a lot of Broodcombs elegantly solved. This only works optimally by a unumgängige Fütterung of at least 3 liters of dilute sugar solution. This provides a strong development impulse is triggered.

# Beginning of offshoot Education

---

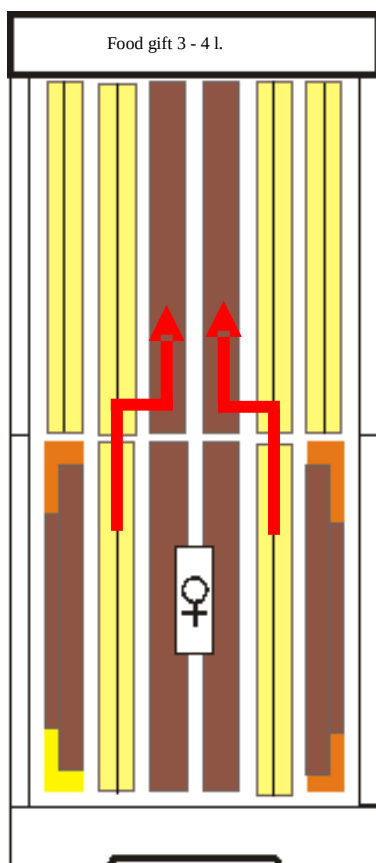


The 6 honeycomb offshoot box is according to weather conditions around the 10 - 15 April grown rapidly and the growth of young bees is greater daily. The breed is distributed over a large area on 6 honeycomb. A conversion or expansion is inevitable.

See previous images.

## Step 1

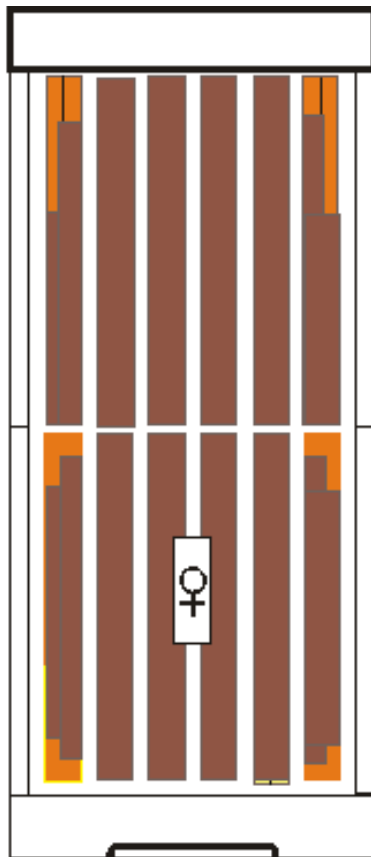
---



the 2 are from the spin box<sup>th</sup> and 4<sup>th</sup> removed brood comb and replaced by central walls. The two brood combs come in the middle of a Erweiterungszarge. The remaining space will be equipped with side walls means.

Placing the top of the Erweiterungszarge offshoot box.

Immediate feeding of 3 -4 liters of diluted feed.



After 15-20 days, the 2<sup>nd</sup> Expansion unit incubated and then looks like in the pictures below.



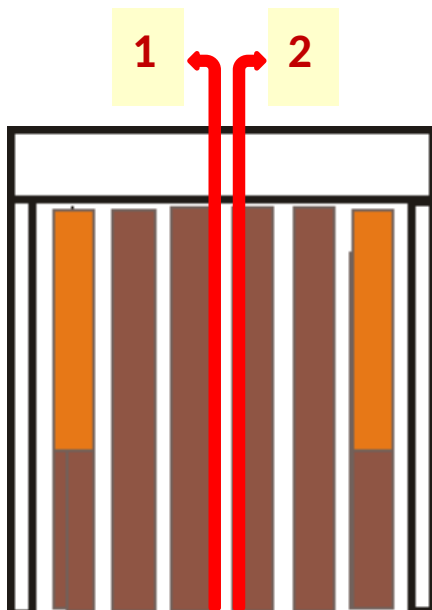
The red framed boxes are also fully developed and are ready to receive the

Erweiterungszarge ..



2 expansion units in plan view

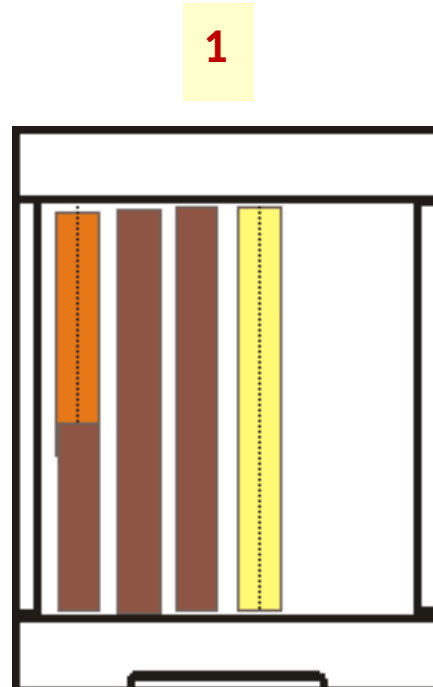
## Step 2: Breakdown in 2 offshoot



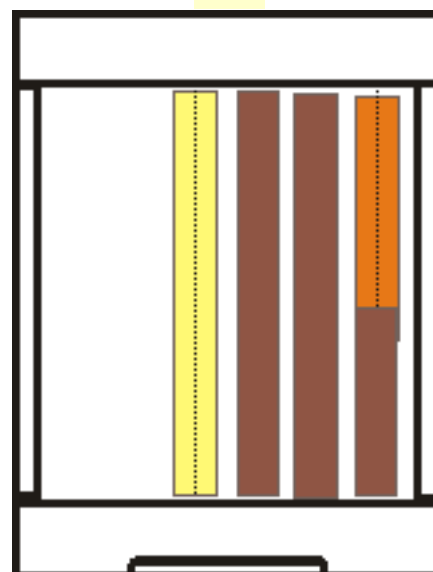
Distribution of Expansion Unit

=

2 offshoot



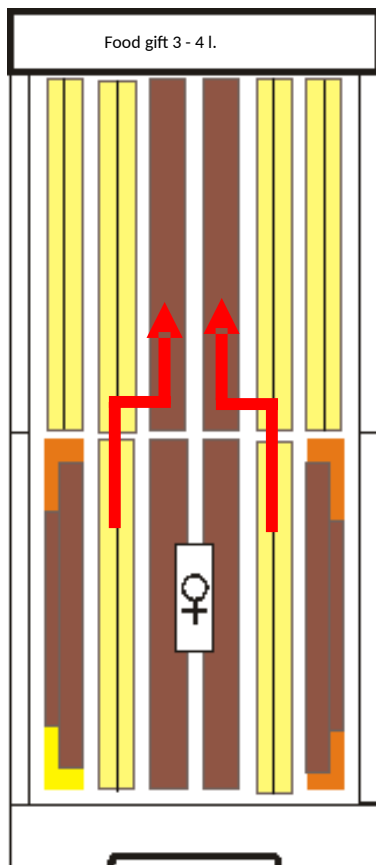
2



Formation of two offshoots:

1. 1 honeycomb with lining on the side.
2. 2 combs with brood (possibly partly slipping).
3. 1 center wall as a final





The expansion unit is rebuilt, as in the <sup>1st</sup> Commissioning.

- 2 brood from the lower branch in the convert mid upwards. Then both units fill with middle walls.

Diluted feed rich, as already described.

**After  $\pm$  2 to 3 weeks, the division is made in the same way. In one season, depending on weather conditions, you can reach up to 5 cycles**

### step 3

The newly formed offshoot come to Begattungsplatz. On the same day a dividend is exploiting short before hatching Weiselzelle. zwischen is hooked the two brood combs. Nearer the cell the Schüpfen approaching the better acceptance.



Note: If the cell is held to the light, so it looks like her abdomen is moved back and forth (so-called crawling cell).



The Einweiseln is always a cell protector !! This avoids that the bees laterally open the cells and kill the not yet hatched queen. The schlüpfreifen cells are extremely sensitive to cold. A smaller low-current 12 V Brutbox ideal for storage



12 - control 15 days after the formation of  
offshoots oviposition



The queen is in oviposition, so they can be caught and drawn. Use for adhering the wafer best superglue. Because it is nearly odorless there are no problems with resetting the Queen in the people. But beware: Do not use liquid superglue (it runs down from chest and glued the ♀) Instead, an instant adhesive in gel form using eg Super**Glue gel**!





On the same occasion a leaf can be cut

Is the Queen in oviposition and drawn come 2 means walls beside the new brood. Again a dilute feed dose of 3 l ensures breeding extension and expansion of the middle walls.

**!!! This was the first division into two new offshoots !!!**

#### step 4

The spin on the **Begattungsplatz** Which were stimulated by feeding, overflowing by just over 3 weeks. A uniform distribution takes place.

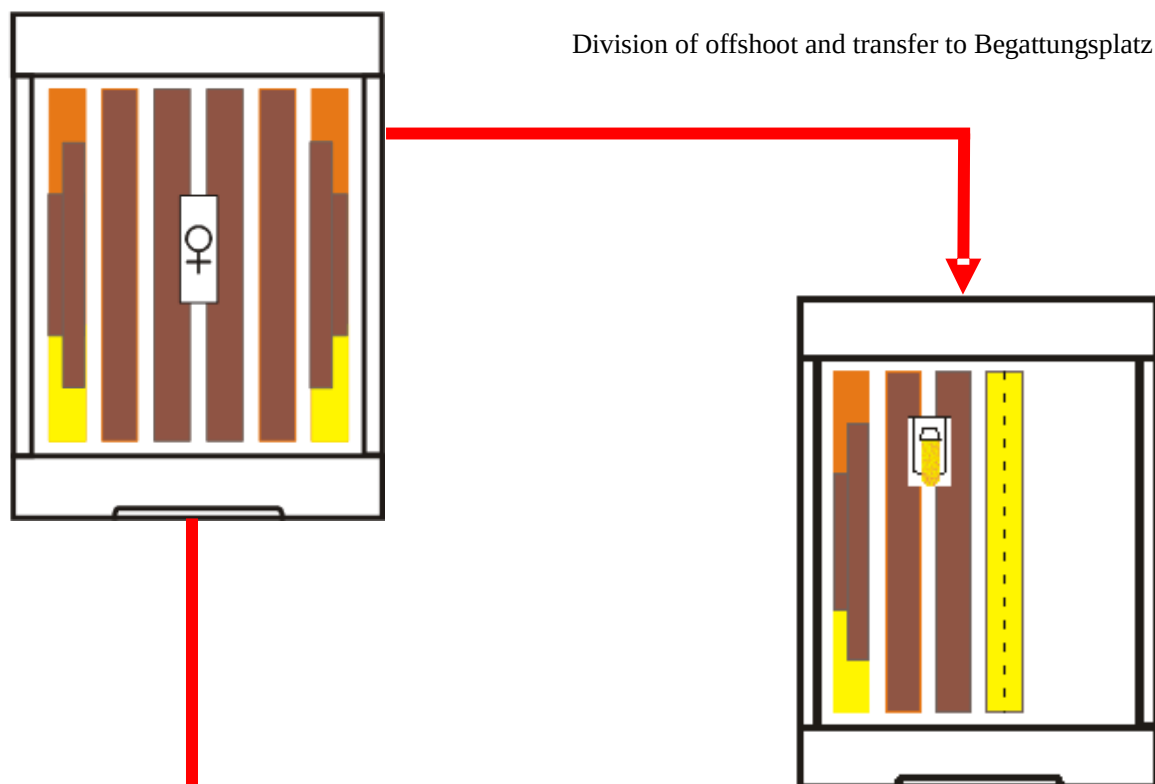


#### **Begattungsplatz:**

The branch will be divided equally. The young fertilized queen is transferred to the branch where the **offshoot stand** is adjusted. The brood combs come centered in the middle of the spin box. Laterally means walls are uniformly add. On offshoot place with a dilute feed dose of 3 l. Ensure development

The now queenless offshoot on the **Begattungsplatz** attributed to 1 Futterwabe, 2 brood combs with brood in all stages and laterally a central wall) receive 1 schlüpfreife cell. The method starts from the beginning. In some years, may again re-allocation may be possible in 5-6 weeks.

The on the **offshoot place** housed units with their mated queen grow very quickly. Many young bees have hatched and thus to 2 up to 3 weeks a new division of the branch on the Begattungsplatz needed.

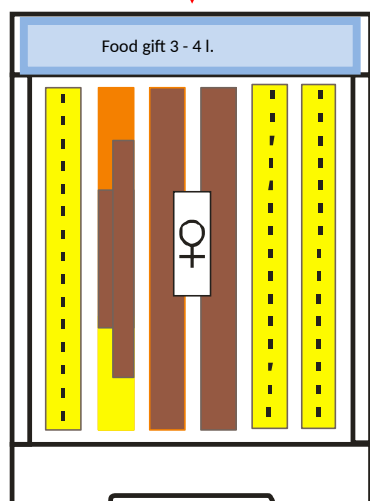


Division of offshoot and transfer to Begattungsplatz

The newly formed offshoot is brought to the home state.

... the Cycle begins again.

Offshoot: 1 Futterwabe 2 brood combs 1 center wall 1 protected queen cell



The branch with the Queen remains on the spin-Except Stand. There are added 3 center panels laterally and fed with a minimum of 3 liters of diluted syrup.

**In the case of optimal conditions can still be done a 3rd division etc.**

## The last division takes place in late July



- The Queen remains on a brood comb in the lower unit.
- 1-2-4-5-6 compensate the positions with central walls. Always 3 liter syrup feed.
- Distribution of 6 honeycomb the upper extension unit and the honeycomb 5 of the lower unit in 3-4 new offshoot.
- Transfer to Begattungsplatz beweisen, etc.



Offshoot development until September 10th

# Overview Scheme

