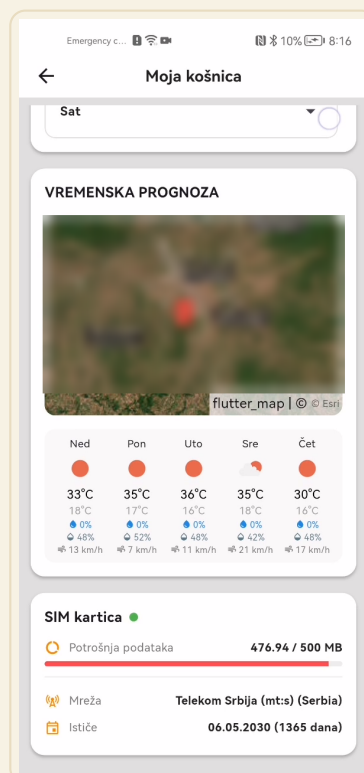
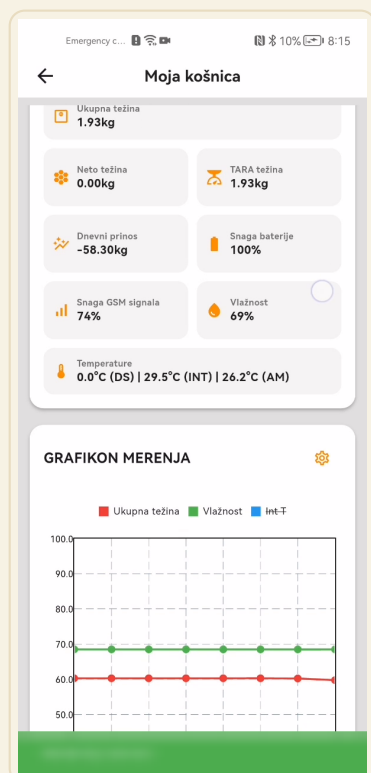


SMSVAGA

patented Mobile app user guide

The beehive scale weighs the hive and reports what is happening in the apiary by itself — daily yield, sudden weight loss, battery state. This guide walks through the app screen by screen: how to create an account, what each field means and how every setting is changed.



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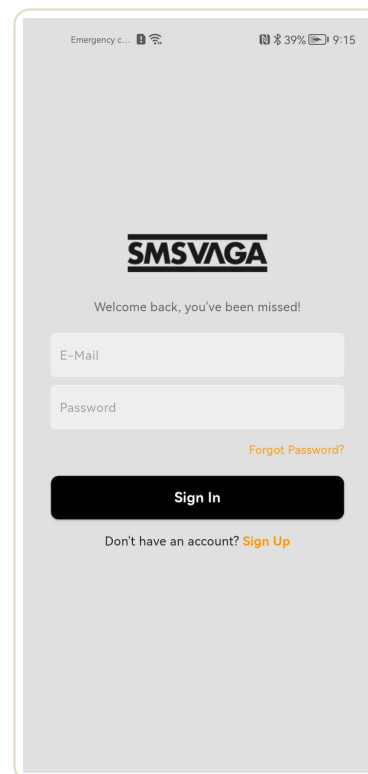
1. First steps — creating an account

The app is downloaded under the name SMSVAGA — on Android phones from the Google Play store, on iPhones from the App Store. When you open it for the first time, a sign-in window greets you. You have no account yet, so type nothing there.

The sign-in window

The E-Mail and Password fields are for those who already have an account. You go to the bottom of the page, where it says Don't have an account? Sign Up.

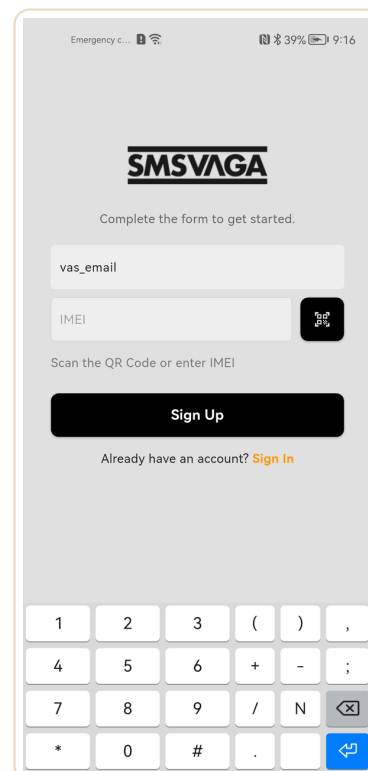
Use the Forgot Password? button later, if you forget your password — a message for setting a new one arrives at your e-mail address.



The window that opens on first start

Creating the account

- 1 Enter your e-mail address.
- 2 Enter the scale's serial number — the 15-digit number from the sticker on the scale.
- 3 Instead of typing you can press the black button with the QR mark on the right and scan the sticker with your phone.
- 4 Press Sign Up and wait about thirty seconds.



An e-mail and the number from the sticker are enough

Why the wait

During that time the account is created and your scale is linked to it. When it finishes, the app takes you to the list of scales by itself. Do not close it while it runs.

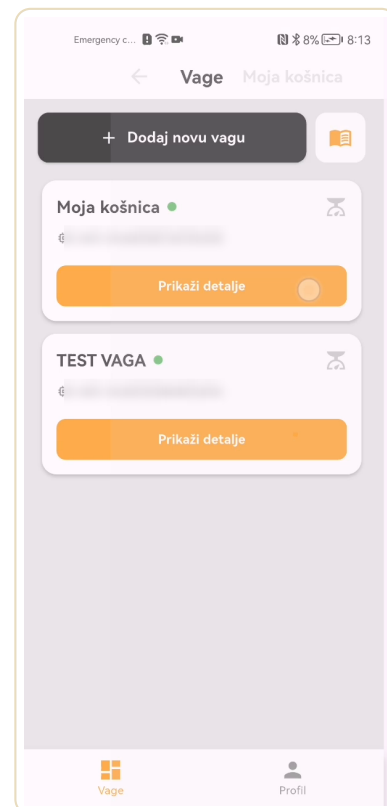
You do not choose the password — it arrives by e-mail. Once signed in, you can change it in the Profile.

2. The list of scales

The first screen after signing in is the list of scales on your account. If you have one scale, there will be one; there can be more.

What a scale's row shows

- **Scale name:** changed in the details; at first it shows the name you gave or the default.
- **Green dot:** the scale has reported within the last three hours. Yellow means no report for three to six hours, red for over six.
- **IMEI:** the scale's serial number, the same one from the sticker.
- **Show details:** opens all the data about that scale.



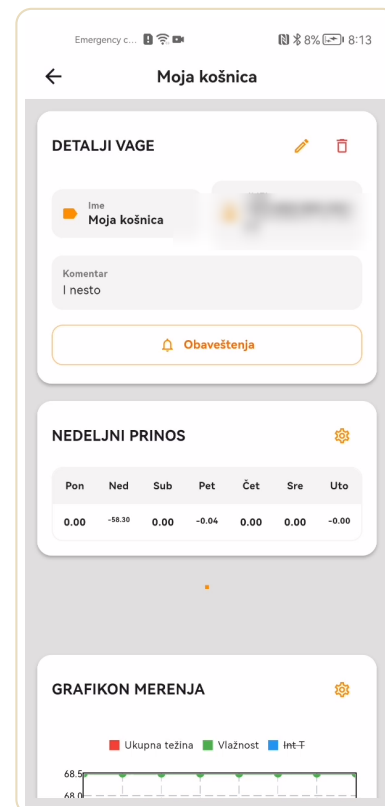
Serial numbers are blurred in the picture

The Add new scale button at the top is for when you buy another scale — it asks for the same 15-digit number. The icon next to it opens the Beekeeping Diary, which has its own separate guide.

3. Scale details

Clicking Show details opens the page with all the data of one scale. At the top is the SCALE DETAILS card.

- **Pencil:** changes the scale's name and comment. The name is what you see in the list and in notifications, so it pays to name it after the apiary or the hive.
- **Bin:** removes the scale from your account. The readings stay saved, and the scale can be added again later.
- **Notifications:** opens the list of everything that scale has reported to you.



The IMEI is blurred

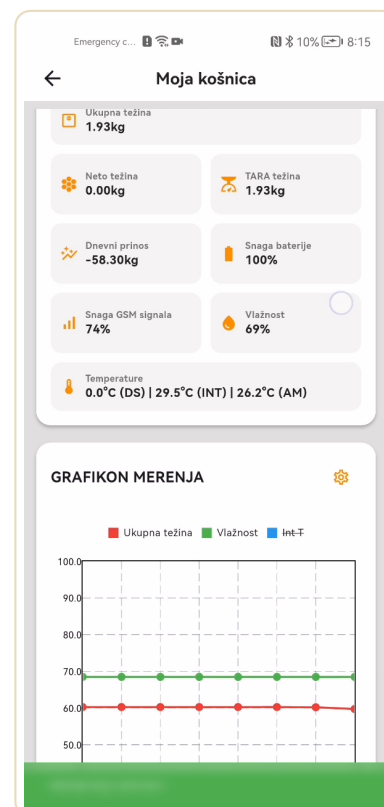
Tip

The scale's name appears in every notification. If you have several scales, name them after the place — "Meadow", "Acacia by the stream" — and the message alone will tell you which one it is, without opening the app.

4. The latest reading

The most important card. The orange badge at the top shows when the reading arrived, and the arrows to its left and right take you back through earlier readings.

- **Total hive weight:** everything on the scale, together with the hive, frames and supers.
- **NET weight:** the total weight minus the TARE — so honey and bees.
- **TARE weight:** the weight of the empty equipment, which you set yourself.
- **Daily yield:** the difference against the set hour of that day.
- **Battery and GSM signal strength:** the state of the scale itself.
- **Humidity and temperatures:** outside, internal and in-hive temperature, if the sensor is connected.



Swiping left and right brings back

Sharing a reading

The share icon at the top of the card takes a picture of this box. You then send the picture to a Viber or Facebook group, with no retyping of numbers.

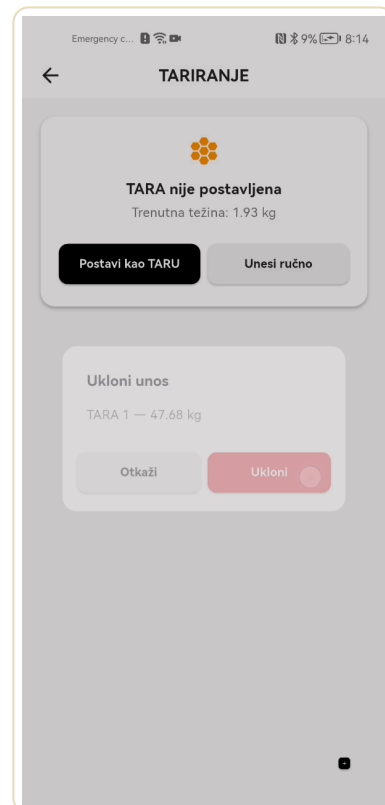
5. Taring — setting the TARE

The TARE is the weight of the empty equipment: hive body, frames, cover. The scale weighs everything together, but what you care about is the honey. So the empty equipment is weighed once, and that number is subtracted from every following reading.

When the TARE is not set yet

The app shows the current weight on the scale and offers two paths:

- **Set as TARE:** takes what is on the scale right now. Used when the empty equipment is on the scale.
- **Enter manually:** you type the number yourself, if you already know the equipment's weight.

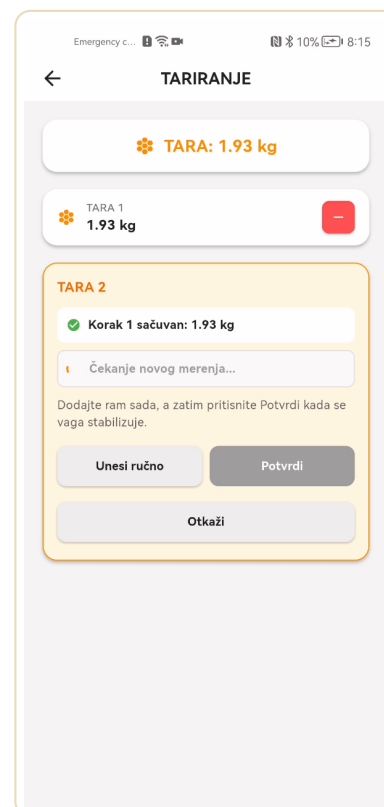


Setting the TARE for the first time

Several supers

The TARE can consist of several steps. When you add a super, you press plus and the scale waits to stabilise, then records that step too. That way it is known how much each super added.

The red mark next to a step deletes that entry. The sum of all steps is the total TARE, and it sits at the top.



Steps are added as supers are added

Important

The scale measures once an hour, so a new step can only be confirmed when a new reading arrives — wait for the start of the next hour before pressing plus. If you add a super within the same hour, the scale has not even measured the change yet and the step has nothing to record.

When setting it, also wait for the scale to settle — if you confirm while still adjusting the super, the pressure of your hand goes into the TARE as well.

6. Scale settings

The gear at the top of the Latest reading card opens that scale's settings. Whatever is changed here applies to it only.

UDP battery scale

The choice between a LION and a GEL battery. The scale reports voltage, and what percentage that is depends on the battery type — empty and full are not at the same voltage.

If the wrong type is set here, the battery percentage will be wrong. Choose what you actually have in the scale.

Daily yield

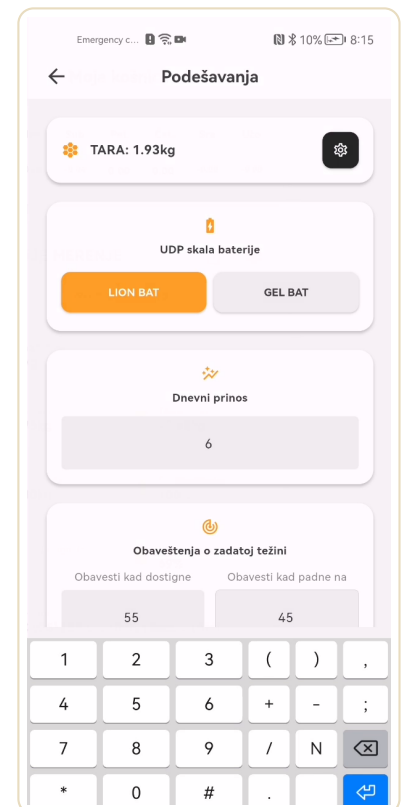
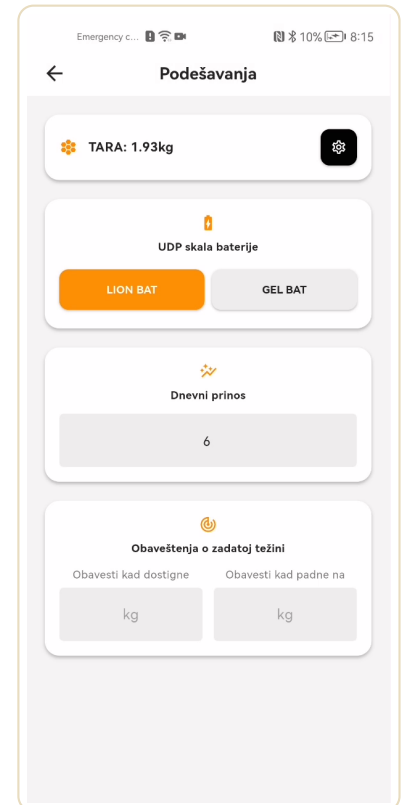
The hour from which the daily yield is counted. The default is 6 in the morning — before the bees fly out, so what is measured is what was really brought in.

Target weight notifications

Two numbers, both optional:

- **Notify when reached:** reports when the net weight passes the set one. Useful for knowing when it is time to harvest.
- **Notify when dropped to:** reports when the weight falls below the set one. Useful for keeping an eye on food stores.

An empty field means you do not want that notification.

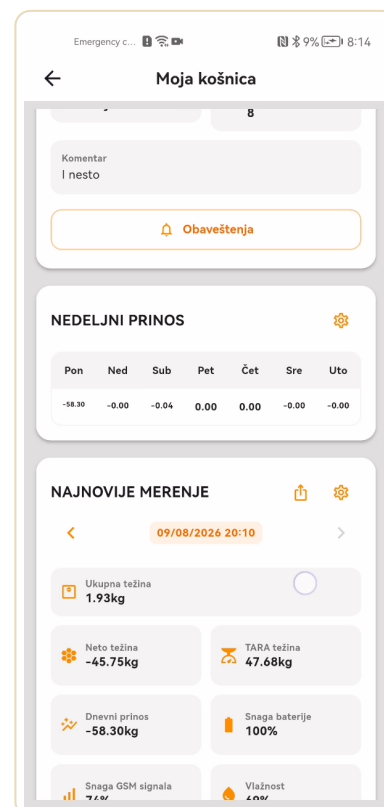


Set to 55 kg and 45 kg

7. Weekly yield

The table shows the last seven days. Each column is one day and shows how much was gained or lost that day.

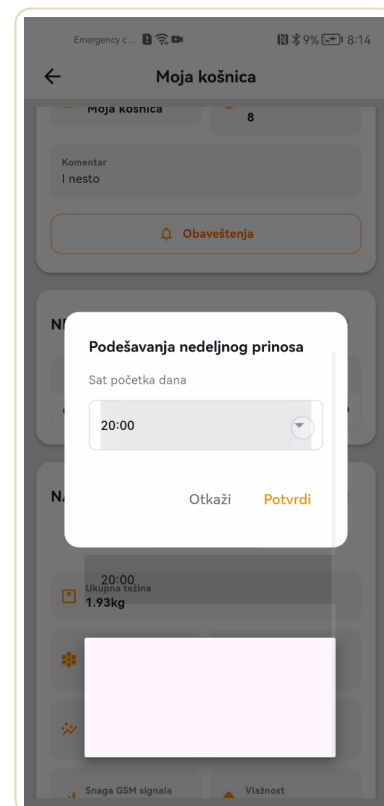
Green is gain, red is loss. The last column is today and keeps changing until the day ends.



The hour the day starts

The gear next to the table opens the hour picker. The day is not counted from midnight but from the hour you set — 20:00 by default.

The reason is the same as with the daily yield: in the evening all the bees are in the hive, so the comparison shows the intake, not how many happened to be out at that moment.

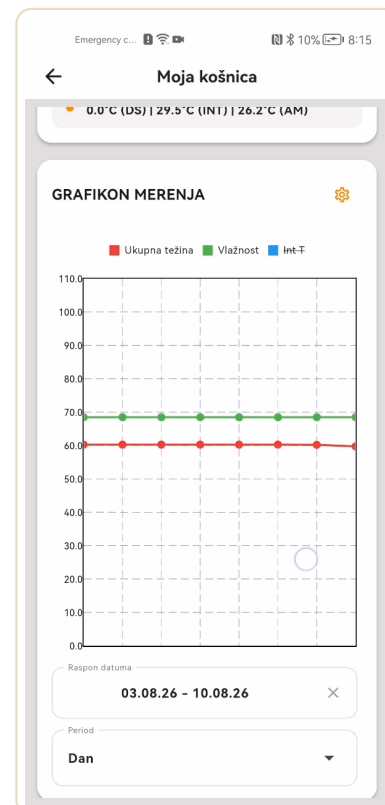


The cut-off is picked from a list

8. Measurement chart

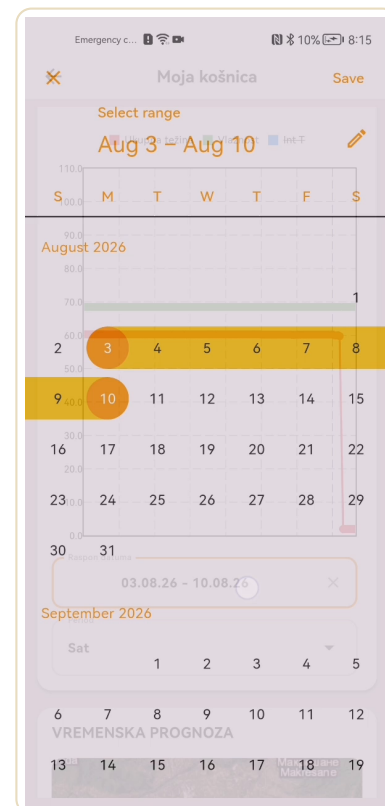
The chart draws the course over time. In the legend at the top a line is switched off with a click, leaving only what interests you.

- **Date range:** opens the calendar for picking a period.
- **Period:** whether points are drawn per hour, day, month or year. For short periods pick Hour, for a season Day.



Picking a period

You press the first date, then the last; the chosen range gets coloured. It is confirmed with the Save button at the top.

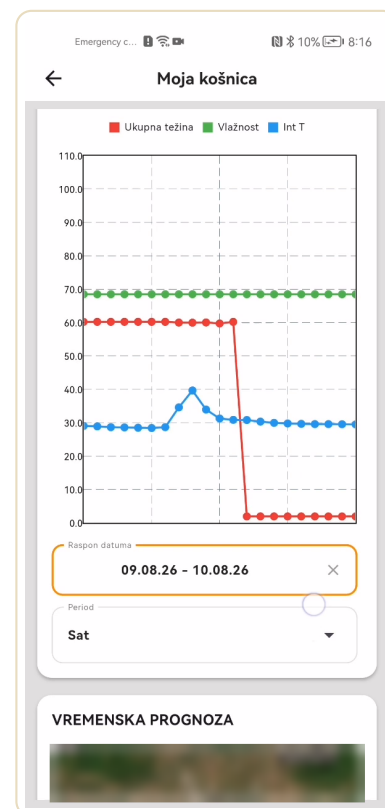


The first and the last day

What the chart shows

A sharp drop of the red line is a weight loss — in this picture it is a test load being taken off the scale. In real life this is what swarming, harvesting or theft looks like.

The gear next to the chart opens Min Y and Max Y. Left empty, the axis adjusts itself. Set them by hand when you want to compare two periods on the same axis.



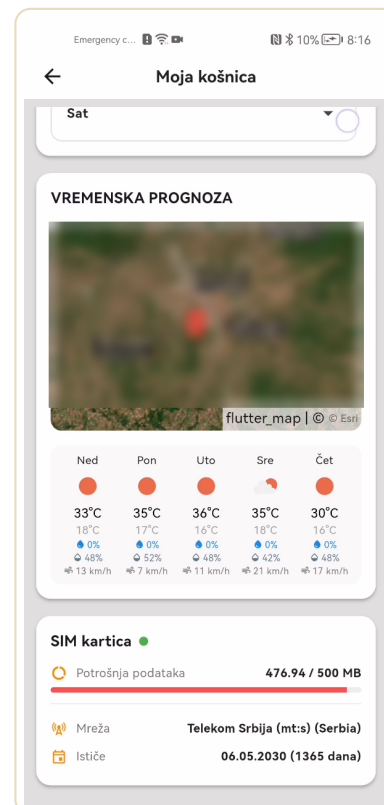
A sharp drop of the line

9. Weather forecast

The forecast for the place where the scale stands. Scales with built-in GPS report their position themselves and nothing needs setting. On scales without GPS you place the pin on the map by hand — press the spot on the map where the scale stands and the forecast is computed for it.

For each day you see the highest and lowest temperature, the chance of rain, humidity and wind speed.

The map above shows where the scale is. In this picture it is blurred because the guide goes public.



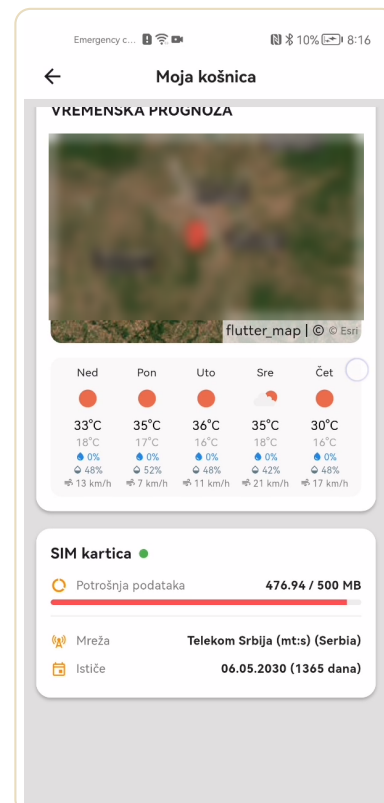
The map is blurred on purpose

10. SIM card

The scale sends its readings over its SIM card. This card shows its state.

- **Data usage:** how much of the purchased package has been used.
- **Network:** which network the scale is currently registered on.
- **Expires:** until when the subscription is paid, and how many days remain.

The green dot next to the title means the same as in the list of scales — a report within the last three hours.



When the subscription expires

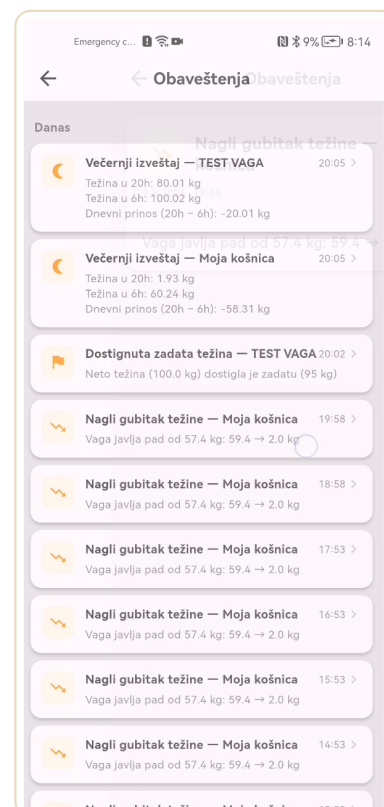
The scale stops sending readings, but everything earlier stays saved. Contact us before it expires so we can extend the subscription.

11. Notifications

The app reports what is happening by itself. The message arrives on the phone, and the list of all messages is in Notifications.

Kinds of notifications

- **Evening report:** once a day — the weight in the evening and in the morning, daily yield, lowest and highest temperature, battery and signal.
- **Sudden weight loss:** a drop of at least one kilogram. Newer scales report this themselves, the moment it happens.
- **Target weight reached:** when the net weight passes or falls below the limit you set.
- **Radilica:** a daily overview of the colony's behaviour.
- **Battery low:** when the charge falls below a fifth.



The list is kept for three days

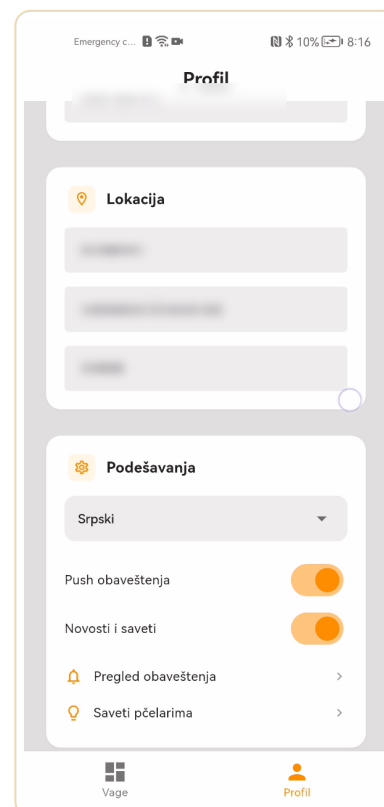
Clicking a message opens the full text. The bin at the top clears the list, with confirmation. Messages also delete themselves after three days.

12. Profile

The second icon at the bottom of the screen opens the Profile.

Personal data and location

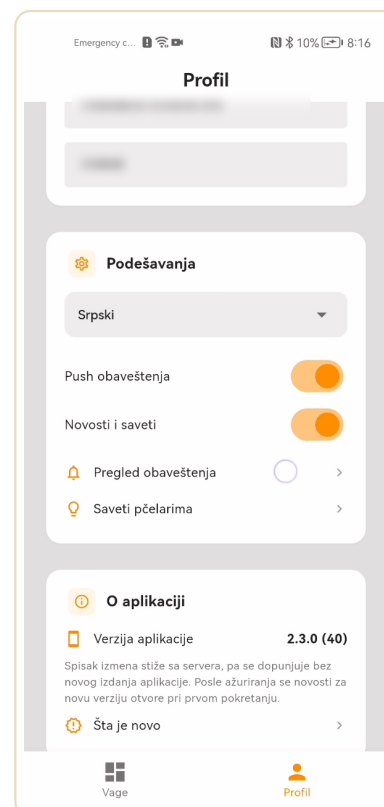
Name, phone and address. We need this data only for contact and delivery; in the picture it is blurred.



Personal data is blurred

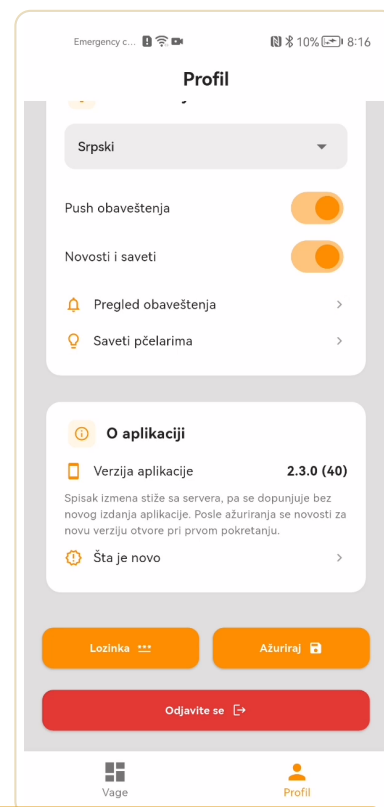
Settings

- **Language:** Serbian, English, German, Hungarian, Norwegian and Italian.
- **Push notifications:** the main switch for messages from the scale. Turned off, nothing arrives.
- **News and tips:** a separate switch. Whoever wants only the alerts from the scale, and not the tips, turns this one off.
- **Notification overview:** all messages from all scales in one place.
- **Tips for beekeepers:** tips by month.



About the app

- **App version:** the release you have.
- **What's new:** the list of changes by version. It comes from the server, so it grows even without a new app release.
- **Password:** changing your password.
- **Update:** checks whether a newer release is in the store.
- **Sign out:** leaving the account. To come back you need the e-mail and the password.



If the app asks for an update

When a new release comes out, an Update Required message appears at start. The app then does not work until updated — that way everyone has the same release and the same notifications.

13. Frequently asked questions

The scale is not reporting — the dot is red

Red means no report for over six hours. The most common causes are an empty battery, poor signal at that spot, or an expired SIM subscription. Check the SIM card box; if the subscription is fine, contact us.

The battery percentage looks wrong

Check that the right battery type is chosen in the settings — LION or GEL. A wrong choice gives a wrong percentage even though the voltage is measured correctly.

The weight jumped or fell for no reason

The scale also weighs what you did not intend: rain on the cover, snow, someone leaning on it. Look at the chart — real intake grows gradually, while an accidental load shows as a jump and a return.

Notifications do not arrive

Check both switches in the Profile, and whether the phone allows notifications for SMSVAGA in its own settings. Some phones silence notifications for apps that have not been opened in a while.

I changed the TARE but old readings did not change

That is how it should be. The TARE applies from the moment it is set; earlier readings stay as they were, so history is not rewritten backwards.

If something does not work

Write to us at smsvaga@gmail.com. Give the scale name and what is happening — our records show what the scale sent and when, so most questions get solved without a field visit.

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