John Nörregård, Swedish Board of Agriculture

Courses on the use of plant protection products and digital records.

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Regional

Sweden is divided into 21 counties. There is an administrative board in each county (CAB)



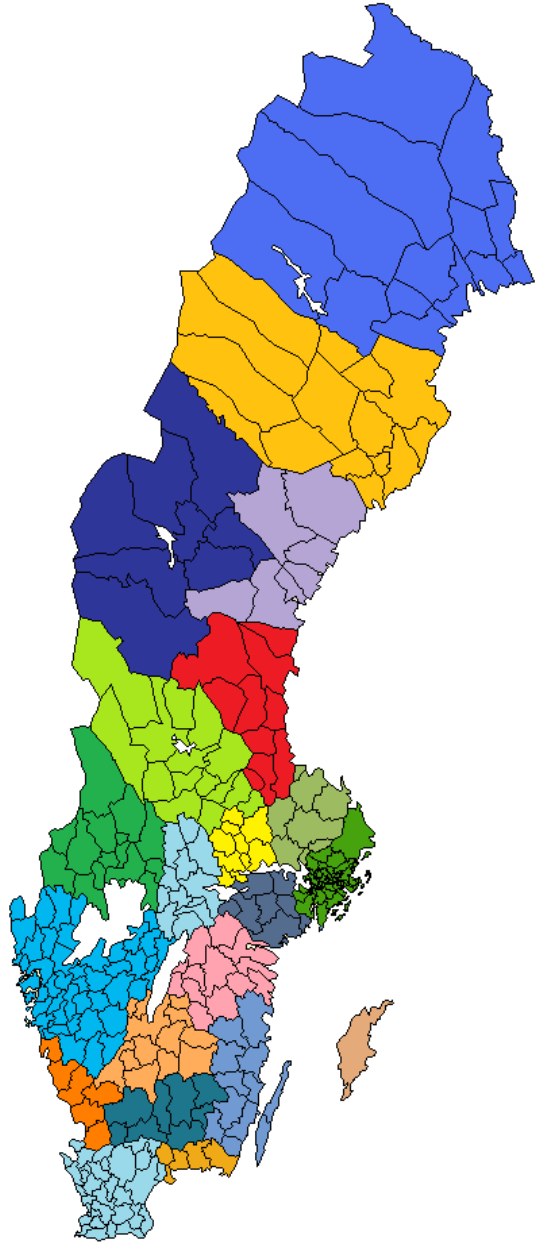
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Local

There are 290 Municipalities, MUP

A MUP is a territorial boundary area. There are several MUPs in a county.



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Roles of the competent authorities SUD 2009/128/EC
Art 5: Training and certification

Swedish Board of Agriculture, SBA

Users and advisors in:

- Field and green area use
- Green house use
- Planting material in forest plantations
- Seed treatment
- Guidelines and official control

Swedish Chemicals Agency, SCA

- Distributors
- Guidelines and official control

County Administrative Boards, CAB

- Authorised to provide the 4-day basic courses and 1-day follow-up courses on field, green area, and green house use (open also for distributors)
- Are entitled to give permits for use of PPP after passing the courses the CAB provide

Municipalities, MUP

- Official control (Inspection and enforcement)

Courses on the use of plant protection products (ppp)

- **Four categories of training courses for the use of plant protection products**
  - Outdoor use
  - Greenhouse use
  - Seed treatment
  - Treatment of tree stumps against fungal diseases in forestry
- **Target groups**
  - Professional users
  - Advisors on plant protection products
  - Distributors
- **Course structure for outdoor and greenhouse use**
  - Four-day basic course
  - One-day refresher course every fifth year



The content for the 4 days basic courses

- Day 1 (8 hours)
  - EU and Swedish legislation
  - Plant protection products (PPPs)
  - What plant protection products are and how they are classified
  - Conditions of use and authorization requirements
  - Safe handling
  - Environmental risks
  - Risk mitigation measures
    - Buffer zones, water protection areas and drift reduction measures
- Day 2 (8 hours)
  - Integrated Pest Management (IPM)
  - Spray drift
  - Record-keeping and documentation





The content for the 4 days basic courses

- **Day 3**
  - Application technology
  - Requirements for the inspection of application equipment
  - Calibration of application equipment
  - Nozzles and nozzle selection
  - Practical exercises
  - Spray drift
  - Calibration
  - Record-keeping
- **Day 4**
  - Personal protection and safe use
  - Written examination



The content for the 1-day refresher course

- **An online self-study course is provided before the one-day refresher course**
  - Legislation
  - Calculations
  - Storage of plant protection products
  - Principles of Integrated Pest Management (IPM)
  - Spray drift and how it is calculated
- **Content of the one-day refresher course**
  - Integrated Pest Management (IPM)
  - Spray drift, documentation requirements and conditions of use for plant protection products
  - New technologies
  - Protection of pollinators and water resources
  - Safety measures when using plant protection products
  - Written examination

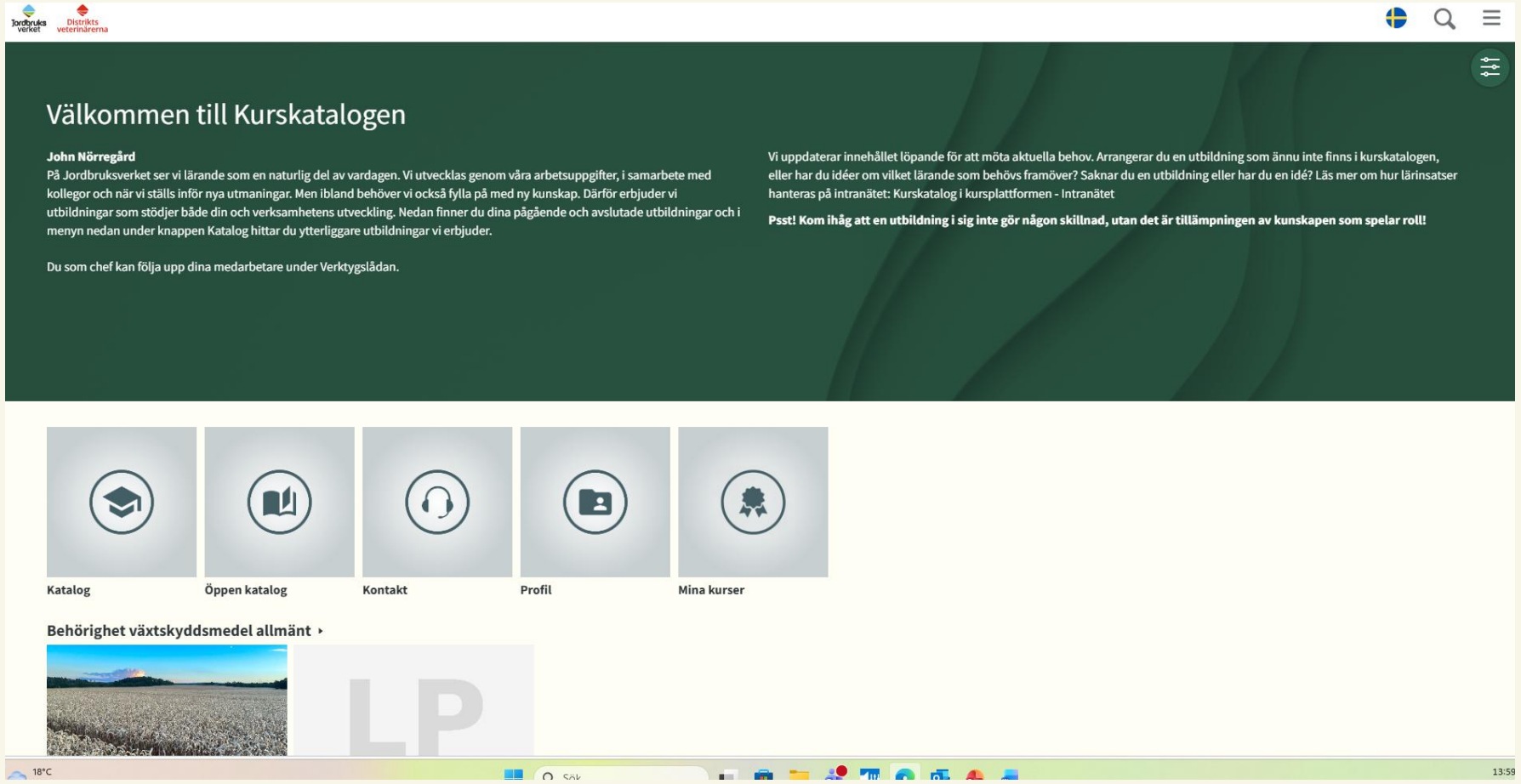


Material used for the courses

- E-learning course
- A study book ”Safe use of pesticides”
- The Helper (How to measure drift)
- Different pamphlets
  - Integrated Pest Management (IPM) Strategies
  - Measures to promote biodiversity
  - Available Sprayer Technology
  - Worker Protection and Safety
  - Inspection and testing of Sprayers
  - Pest Management Strategies
  - Etc.



E-learning course (mandatory)

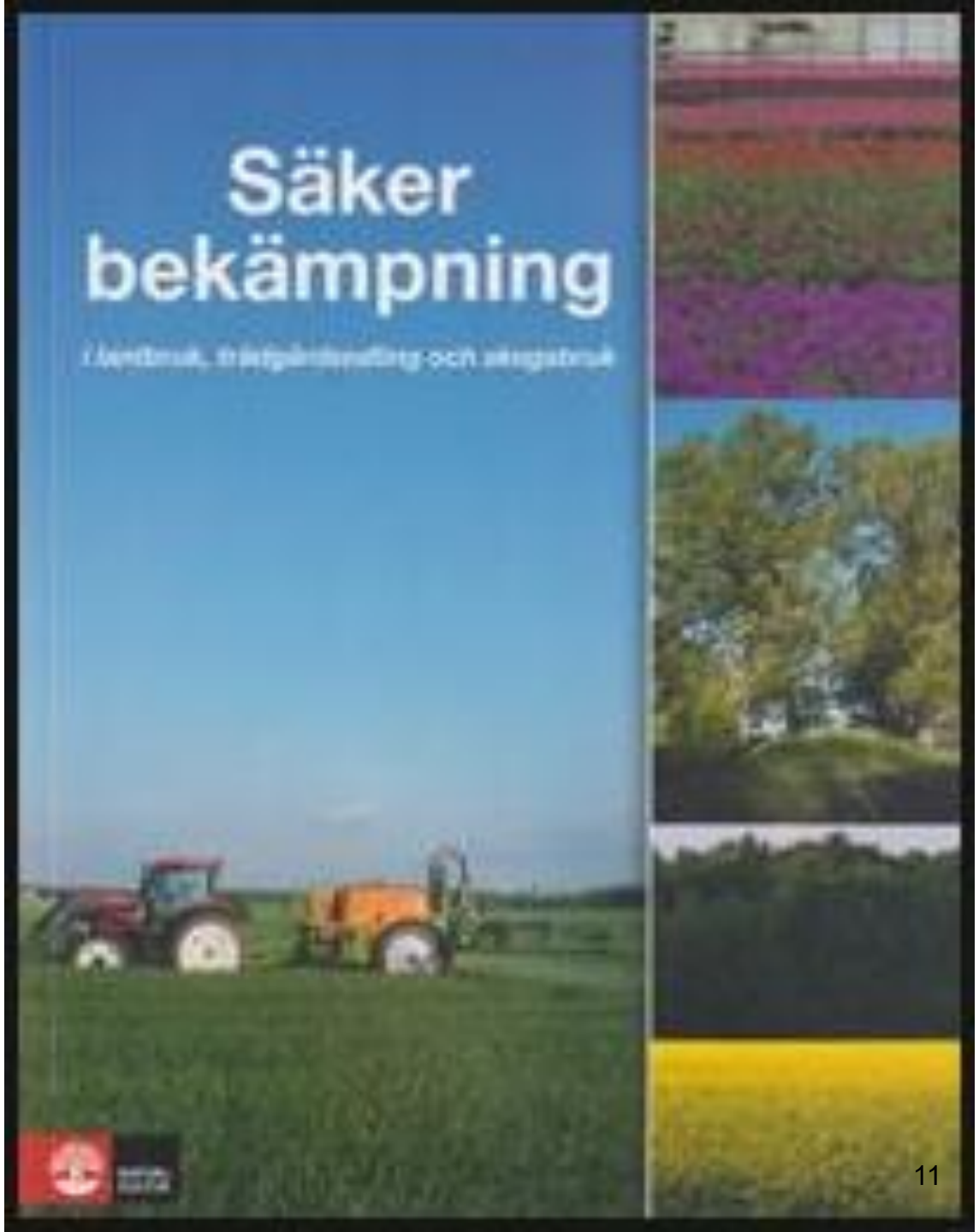


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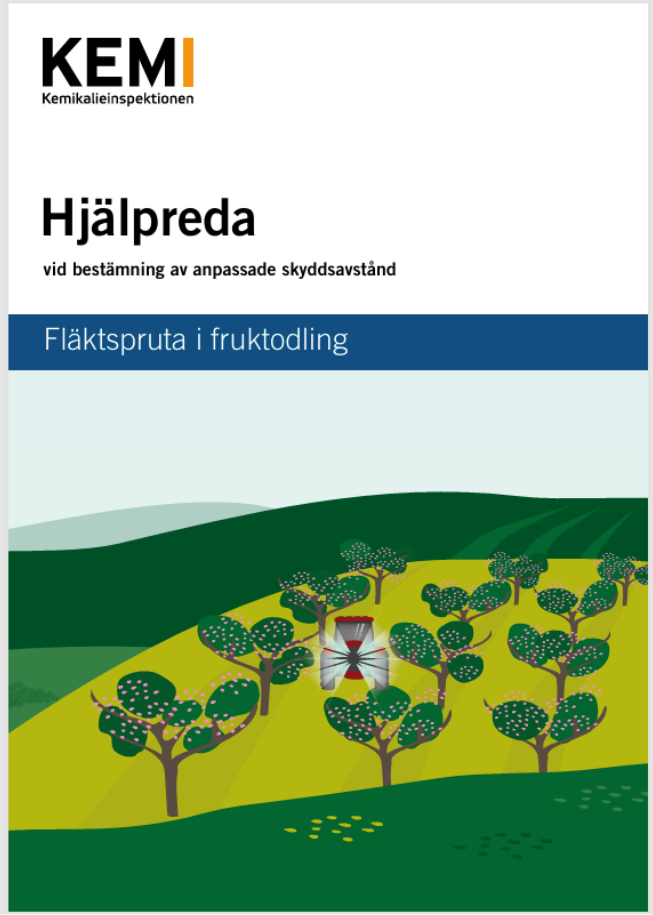
Safe use of pesticides (mandatory)

- The book is mandatory for every course
    - It´s included in the course fee
- The material covers a range of topics and areas.
- Old

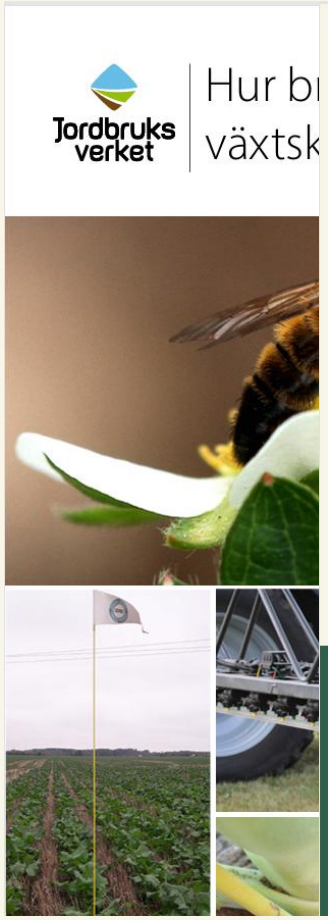


The Helper (mandatory)





Pamphlets




Kemisk ogräsbekämpning
2026


Att tänka på
inför funktionstestet
Jordbruksinformation 1 – 2013


onsbekämpning
nnan teknik i
yddsarbetet
ättningar finns att minska
gen av kemiska
medel fram till 2030?

Course material from 2027 and onwards

- During 2027, we will update and renew our mandatory training materials.
  - Old
  - New fields (Drones, autonomous spraying robots)
  - Paper och digital?

- It will be driven as a project with people from the
  - SBA
  - CAB
  - The Federation of Swedish Farmers (LRF)

Training of trainers

- **The course is organised annually by the Swedish Board of Agriculture**
- **It is a two-day course where the government authorities:**
  - present legislative and policy updates,
  - highlight upcoming changes, and
  - discuss key issues and challenges.
- **The course also provides an opportunity for trainers to demonstrate how they teach different topics covered in the plant protection training courses for professional users.**
- **We have introduced a new format:**
  - One day with presentations and updates from the government authorities.
  - One day with practical exercises involving trainers and representatives from the government authorities.



How to become a service provider for licensing spraying equipment

- **To become an authorised provider of inspection services for application equipment, the following requirements must be met:**
  - Hold a valid certificate for the use of plant protection products.
  - Successfully complete the three-day basic course for inspection service providers organised by the Swedish Board of Agriculture.
- **To maintain authorisation as an inspection service provider, the following requirements must be met:**
  - Attend the one-day annual refresher course for inspection service providers organised by the Swedish Board of Agriculture.
  - Complete the one-day refresher course for professional users of plant protection products every fifth year.



Spraying equipment

- **To use application equipment for the application of plant protection products, the following requirements must be met:**
  - The operator must ensure that the application equipment is in good condition, properly calibrated and suitable for its intended use. This check must be carried out regularly, at least annually and, where necessary, more frequently.
  - The application equipment must be inspected every third year by an authorised inspection service provider.
  - The inspection report must be submitted to the Swedish Board of Agriculture for approval.
  - Once the owner of the application equipment has received approval from the Swedish Board of Agriculture, the equipment may be used for the application of plant protection products.



Spraying equipment that are excluded from some of the demands

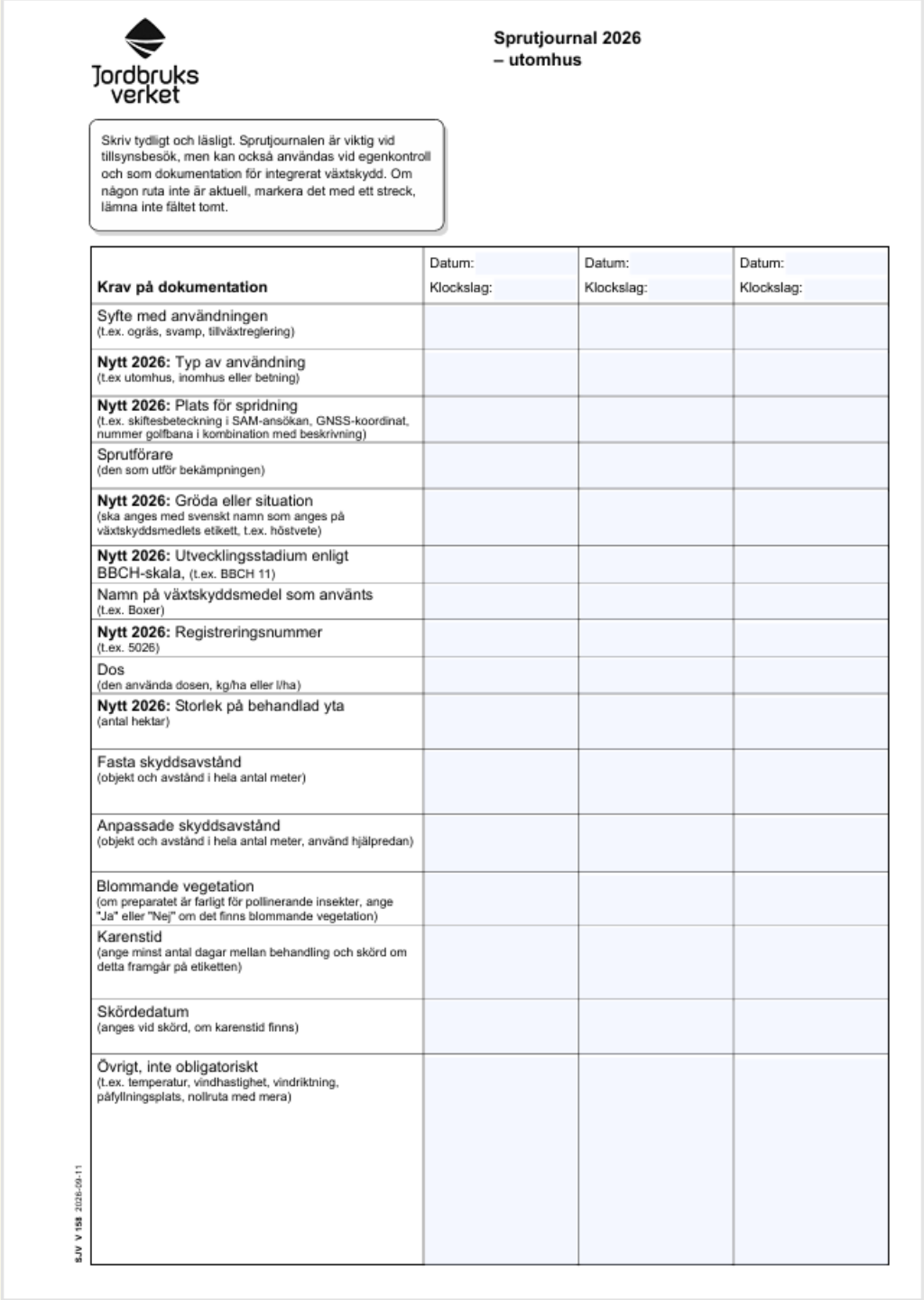
- The following spraying equipment's are excluded for the demands to be controlled every third year:
  - Knapsack sprayers
  - Sprayers on wood harvesters
  - Equipment that protect the pinewood by dipping
  - New spraying equipment (The first 3 years)
  - Fogging equipment in greenhouses
- These spraying equipment's must still be in good shape, well calibrated and suited for the task at hand.



Digital records

Recordkeeping in Sweden

- Under current legislation, the operator bears most of the responsibility.
- All professional use must be documented.
- This includes low-risk plant protection products and class 3 products.
- Spot applications must also be documented.
- There are currently no requirements regarding the format of the record.



Jordbruks verket

Sprutjournal 2026 – utomhus

Skriv tydligt och läsligt. Sprutjournalen är viktig vid tillsynsbesök, men kan också användas vid egenkontroll och som dokumentation för integrerat växtskydd. Om någon ruta inte är aktuell, markera det med ett streck, lämna inte fältet tomt.

Krav på dokumentation	Datum: Klockslag:	Datum: Klockslag:	Datum: Klockslag:
Syfte med användningen (t.ex. ogräs, svamp, tillväxtreglering)			
Nytt 2026: Typ av användning (t.ex utomhus, inomhus eller betning)			
Nytt 2026: Plats för spridning (t.ex. skiftesbeteckning i SAM-ansökan, GNSS-koordinat, nummer golfbana i kombination med beskrivning)			
Sprutförare (den som utför bekämpningen)			
Nytt 2026: Gröda eller situation (ska anges med svenskt namn som anges på växtskyddsmedlets etikett, t.ex. höstvete)			
Nytt 2026: Utvecklingsstadium enligt BBCH-skala, (t.ex. BBCH 11)			
Namn på växtskyddsmedel som använts (t.ex. Boxer)			
Nytt 2026: Registreringsnummer (t.ex. 5026)			
Dos (den använda dosen, kg/ha eller l/ha)			
Nytt 2026: Storlek på behandlad yta (antal hektar)			
Fasta skyddsavstånd (objekt och avstånd i hela antal meter)			
Anpassade skyddsavstånd (objekt och avstånd i hela antal meter, använd hjälpredan)			
Blommande vegetation (om preparatet är farligt för pollinerande insekter, ange "Ja" eller "Nej" om det finns blommande vegetation)			
Karenstid (ange minst antal dagar mellan behandling och skörd om detta framgår på etiketten)			
Skördedatum (anges vid skörd, om karenstid finns)			
Övrigt, inte obligatoriskt (t.ex. temperatur, vindhastighet, vindriktning, påfyllningsplats, nollruta med mera)			

SJV V 158 2026-09-11

Digital records

- Mandatory from 1 January 2027
- Professional users must record each treatment in a digital record within 30 days of carrying out the treatment.
- Six companies currently provide digital record systems for professional users.
- The SBA will also provide a digital record system.
- Professional users may also create and use their own digital record system.



The information in the records

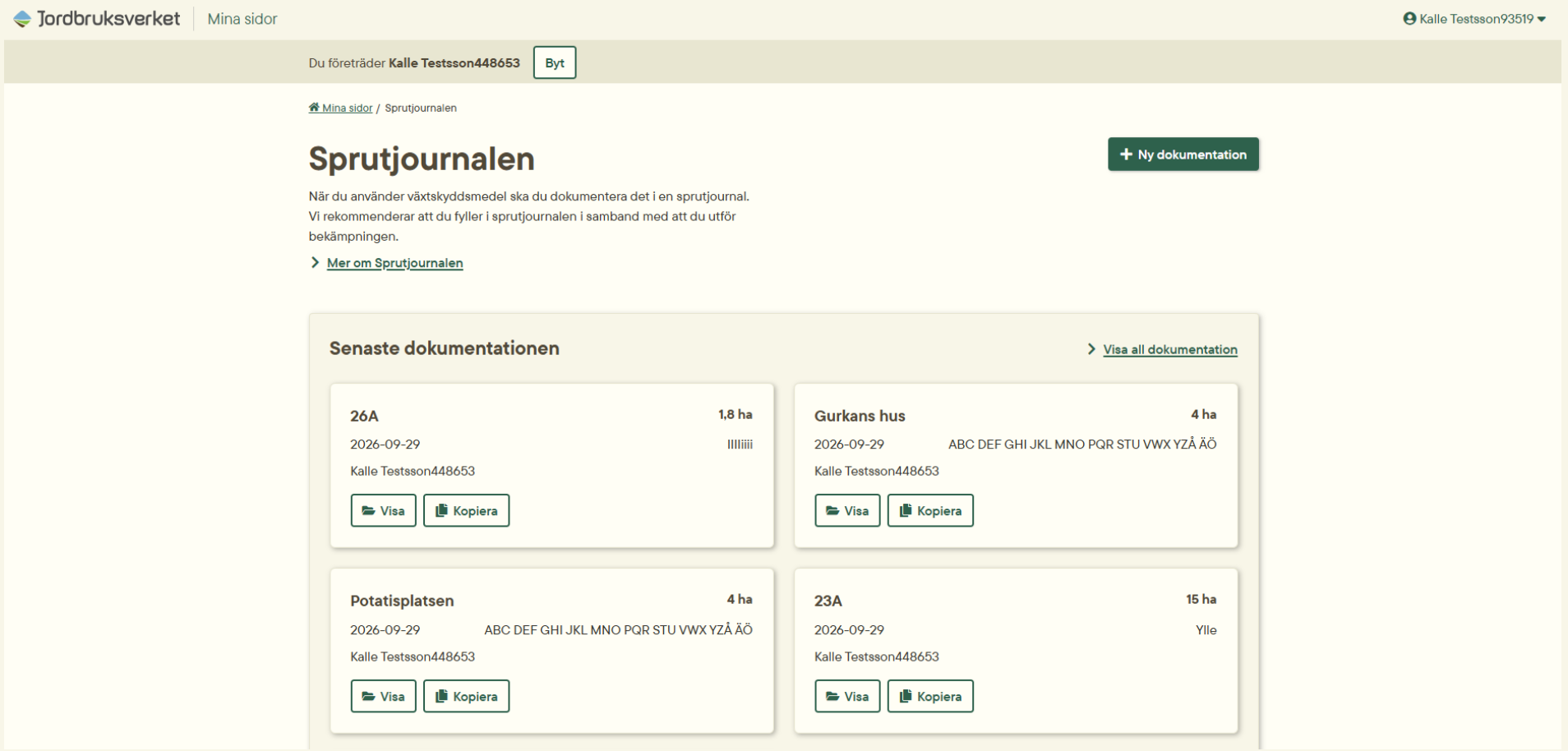
Mandatory according to the EU

- Date
- Time
- Type of use
- Size or amount of treated area or unit
- Location or identification of treated area or unit
- Crop names or situations in line with EPPO-codes
- BBCH monograph
- Product name
- Authoristation number
- Dose
- Harvest
- Pre-harvest interval

Mandatory according to Swedish legislation

- Name of operator
- Purpose of the treatment
- Permanent bufferzones
- Adaptable bufferzones
- Flowering vegetation

Structure of the digital record



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Thank you for listening!

