

Egg ancestors

Generations

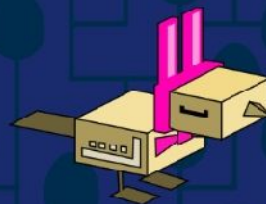
5 6 7 8 9 10 11 12 13 14



Fitness (average time taken to find in seconds)



1.02 1.45 2.9 1.4 1.96 1.82 1.84 1.84 0.76 2.6



These are the descendants of this successful egg. Click on one to see how it's constructed.

Back

brief

brief

visual 'guide' and as a quick reference
for clover or manure coverage

definitely need to be an app and not a web tool

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visual 'guide' and as a quick reference
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use the camera

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visual 'guide' and as a quick reference
for clover or manure coverage

use the camera

get the computer to make decisions...

computer vision

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neural networking

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get the computer to make decisions...

accuracy levels???

computer vision

neural networking

definitely need to be an app and not a web tool

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visual 'guide' and as a quick reference
for clover or manure coverage

use the camera

get the computer to make decisions...

(how much will this cost?)

accuracy levels???

computer vision

neural networking

definitely need to be an app and not a web tool

brief

visual 'guide' and as a quick reference
for clover or manure coverage

use the camera

get the computer to make decisions...

who's going to use it?

who's going to use it?

why are they going to use it?

who's going to use it?

why are they going to use it?

what are they using already?





Cattle slurry 2,250 gallons per acre

This table shows the available nutrients per acre when the cattle slurry is spread at 2,250 gallons per acre.

2,250 gall/a cre	Available N (units/acre)						Available P and K (units per acre)	
	Autumn applied		Winter applied		Spring	Summer		
DM % of slurry	Sandy / shallow	Medium / heavy	Sandy / shallow	Medium / heavy	All soils	All soils	P	K
2	1.6 (3.2)	9.6 (11.2)	9.6	9.6	14.4	11.2	6	44
6	2.6 (5.2)	13 (15.6)	13	13	18.2	13	12	58
10	3.6 (7.2)	14.4 (18)	14.4	14.4	18	14.4	18	72

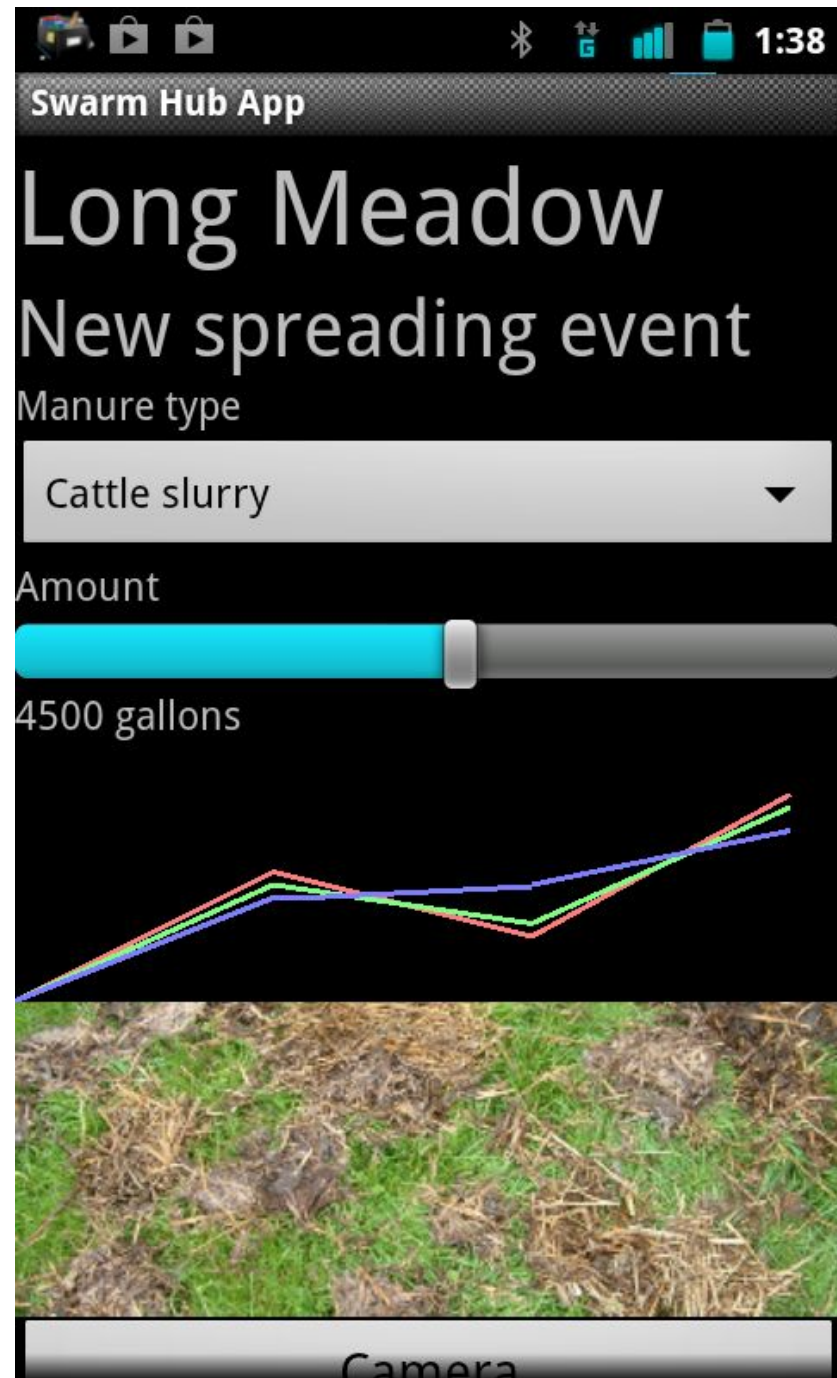
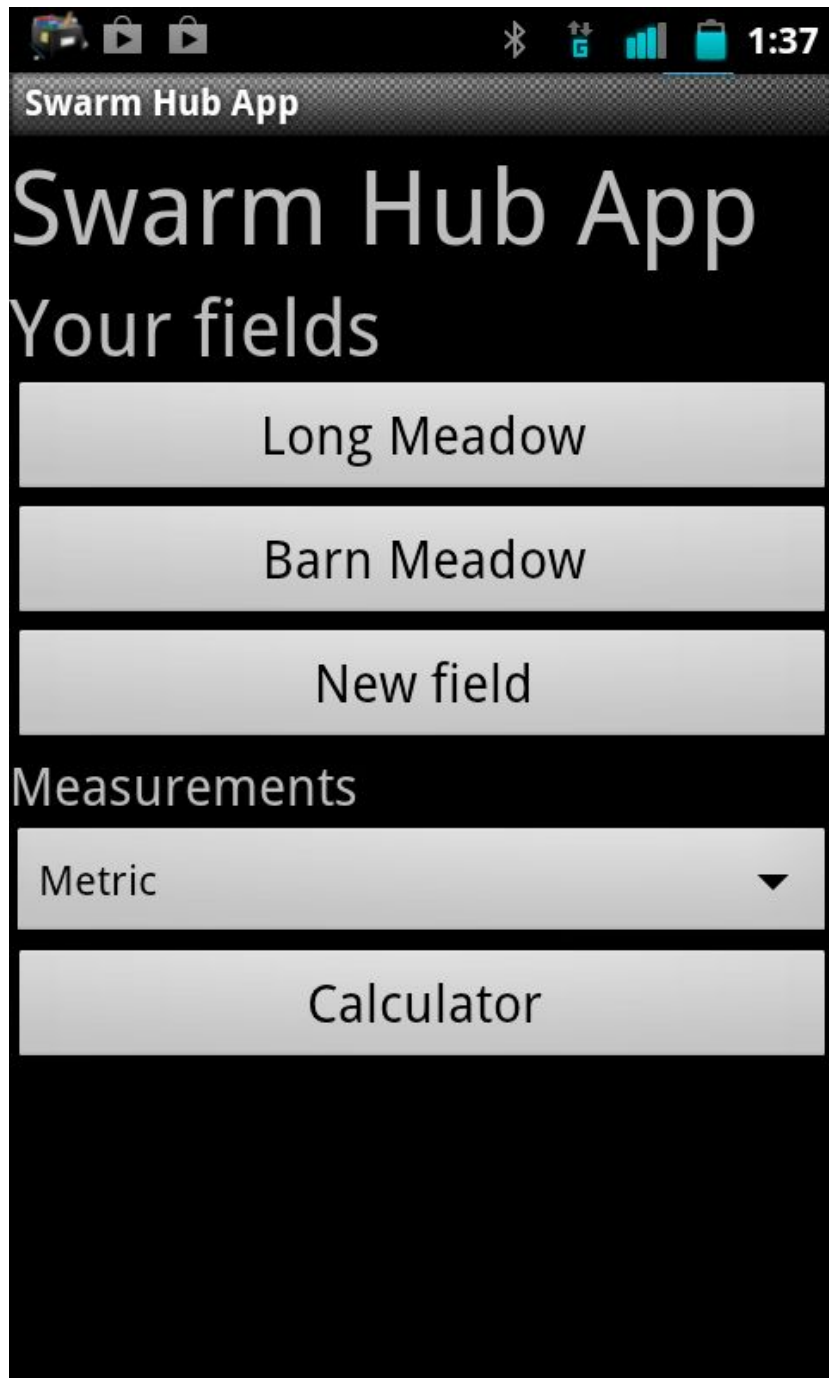
Source: RB209, the Fertiliser Manual, [Defra](#)

Use the values in brackets for grassland and winter oilseed rape cropping

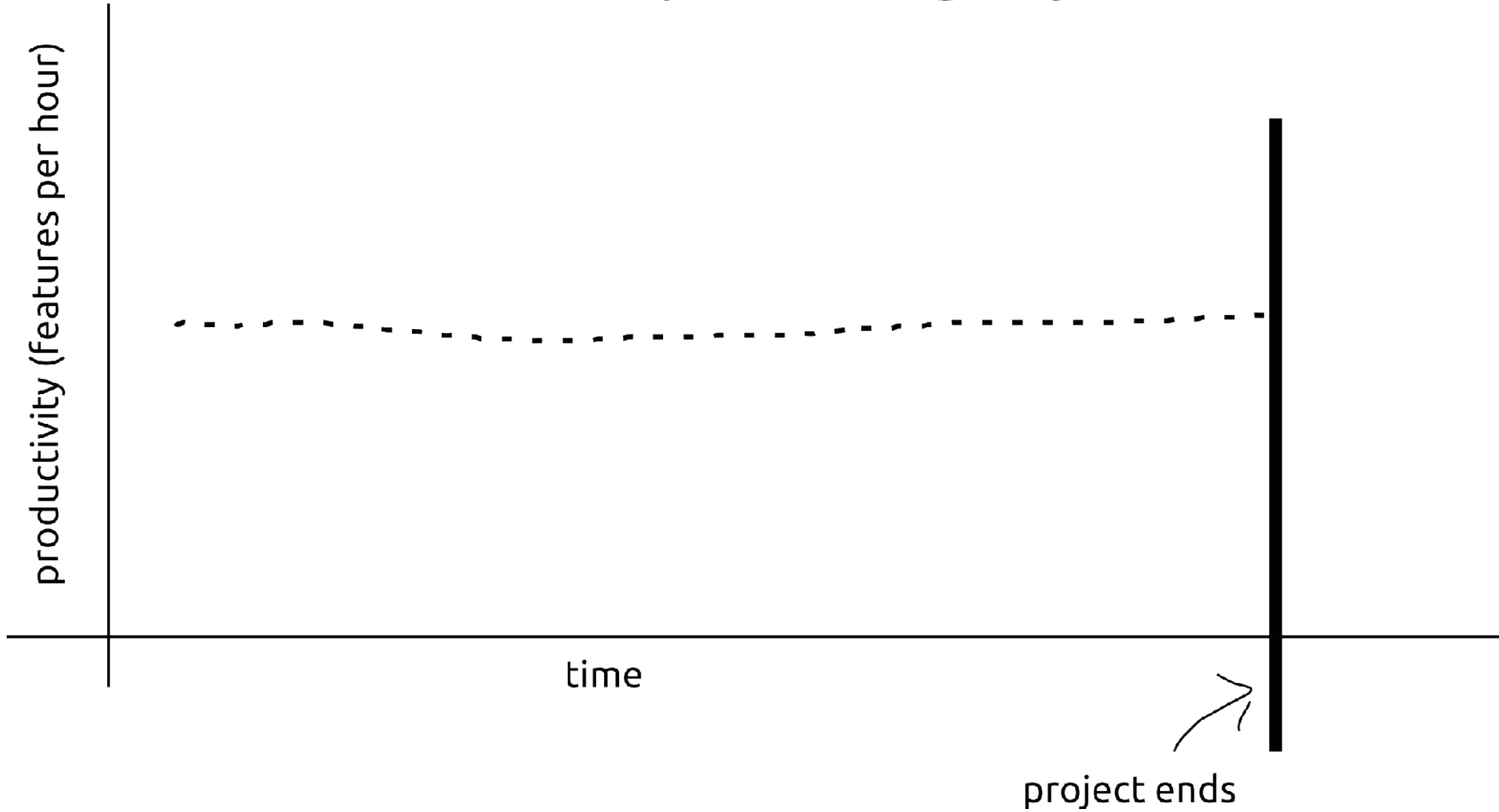
Cattle slurry 4,500 gallons per acre

This table shows the available nutrients per acre when the cattle slurry is spread at 4,500 gallons per acre.

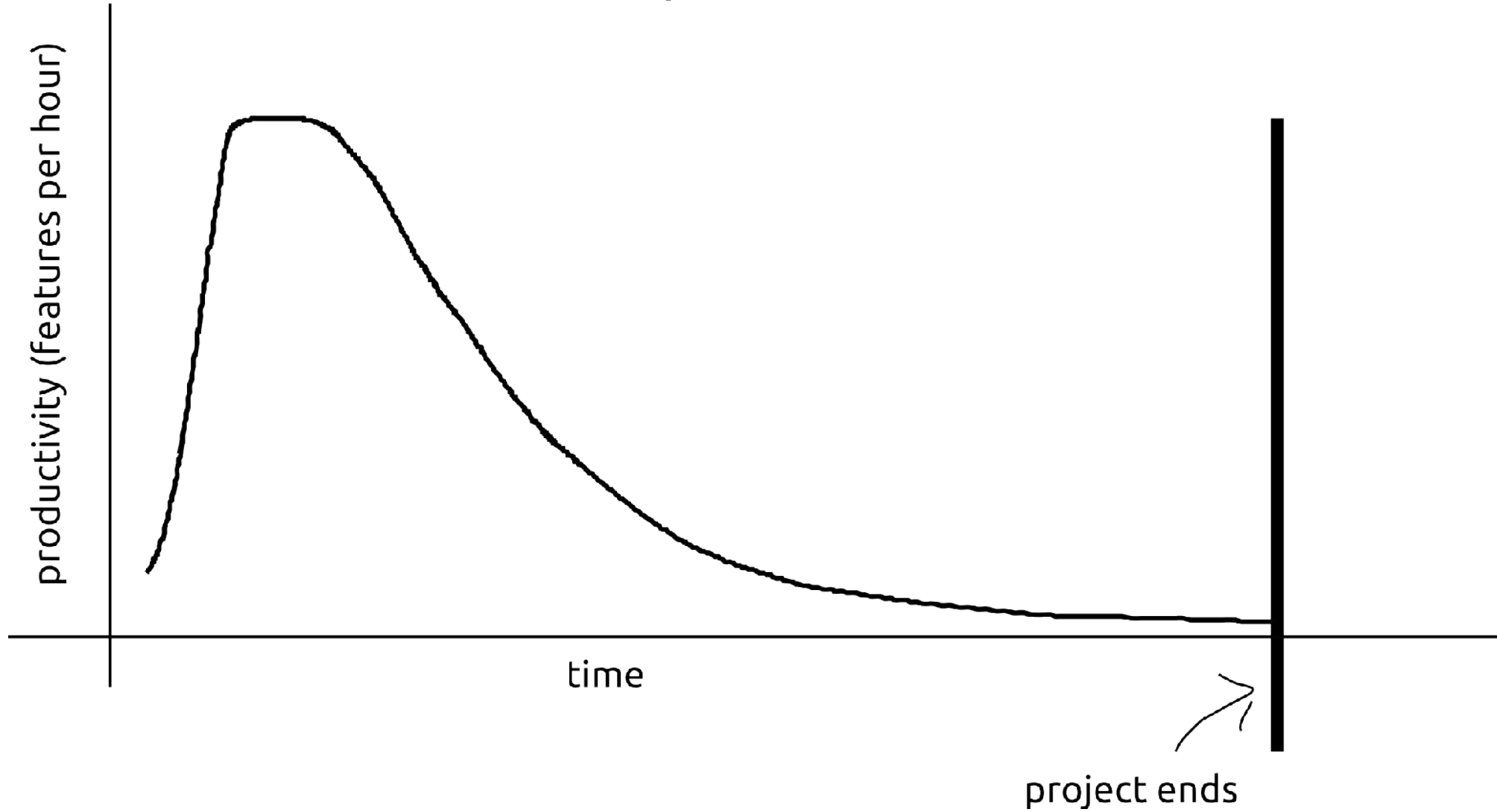
4,500 gall/ac re	Available N (units /acre)						Available P and K (units per acre)	
	Autumn applied		Winter applied		Spring	Summer		
DM % of slurry	Sandy / shallow	Medium / heavy	Sandy / shallow	Medium / heavy	All soils	All soils	P	K
2	3.2 (6.4)	19.2 (22.4)	19.2	19.2	28.8	22.4	12	88



software development - imaginary

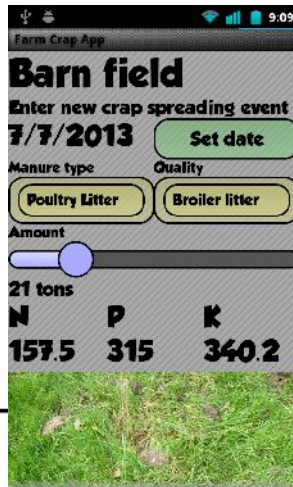
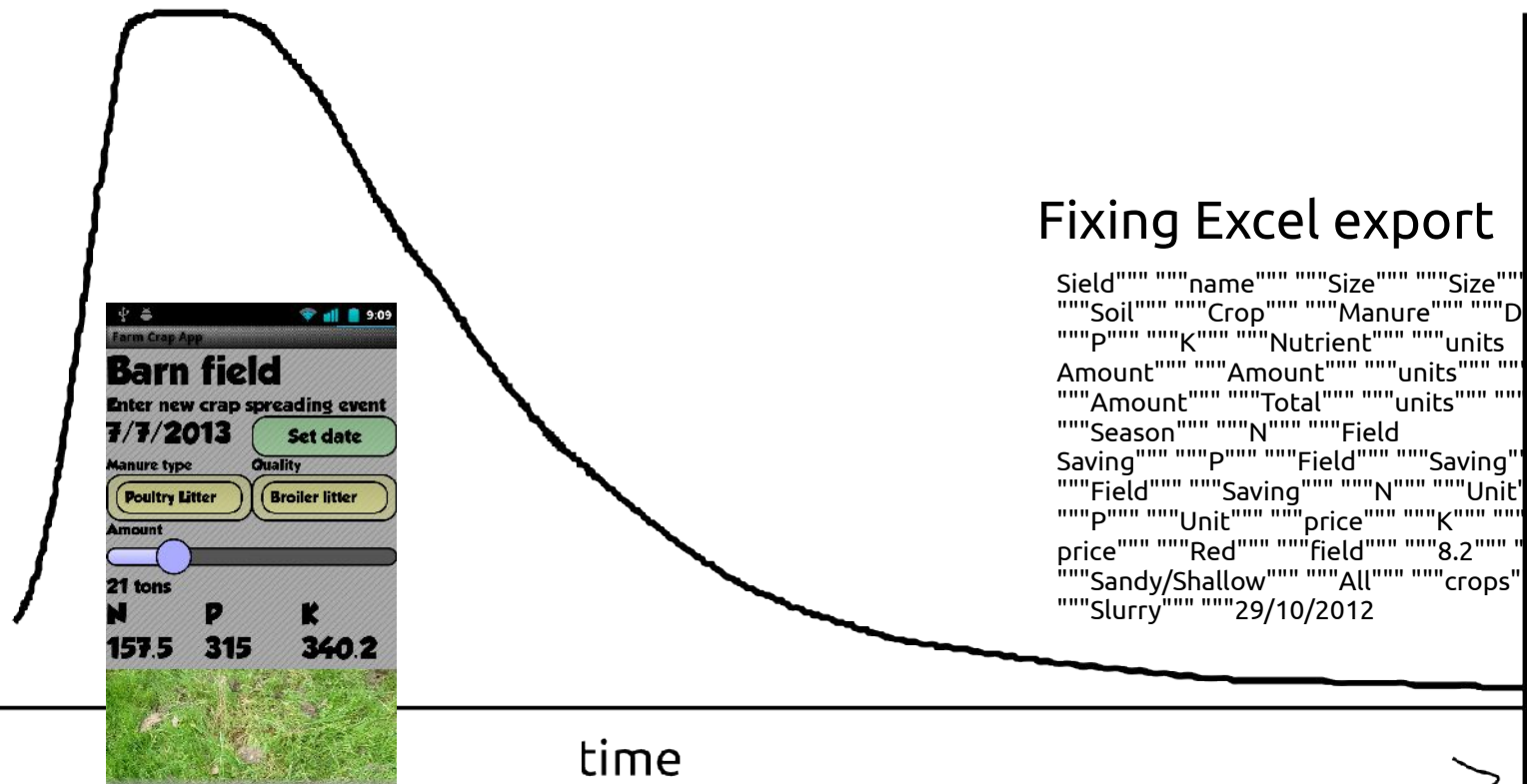


software development - actual



software development - actual

productivity (features per hour)



30% done

Fixing Excel export

```
Sield"""" """"name"""" """"Size"""" """"Size"""" """"units""""  
""""Soil"""" """"Crop"""" """"Manure"""" """"Date"""" """"N""""  
""""P"""" """"K"""" """"Nutrient"""" """"units""""  
Amount"""" """"Amount"""" """"units"""" """"Total""""  
""""Amount"""" """"Total"""" """"units"""" """"Quality""""  
""""Season"""" """"N"""" """"Field""""  
Saving"""" """"P"""" """"Field"""" """"Saving"""" """"K""""  
""""Field"""" """"Saving"""" """"N"""" """"Unit"""" """"price""""  
""""P"""" """"Unit"""" """"price"""" """"K"""" """"nit  
price"""" """"Red"""" """"field"""" """"8.2"""" """"ha""""  
""""Sandy/Shallow"""" """"All"""" """"crops"""" """"Cattle""""  
""""Slurry"""" """"29/10/2012""""
```

project ends

what do you actually do??

```
emacs24@fulmar

(define (get-nutrients-inner quantity units quality amount season crop)
  (process-nutrients
   amount
   units
   quantity
   (list
    ;; nitrogen
    (let ((s (nitrogen-season (quality-n quality) season)))
      (if (not s)
          (error "season not found")
          (let ((c (if (soil? s)
                       (get-soil s soil)
                       s)))
            (if (crop? c)
                (get-crop c crop)
                c))))
    (quality-p quality)
    (quality-k quality))))

(define (imperial->metric amount units)
  (if (equal? (current-units) metric)
      amount
      (if (equal? units "m3/ha")
          (gallons/acre->m3/ha amount)
          (tons/acre->tons/ha amount))))

(define (metric->imperial amount units)
  (if (equal? (current-units) metric)
      amount
      (kg/ha->units/acre amount)))

(define (rounding a)
  (/ (round (* 10 a)) 10))

(define (rounding-cash a)

(activity
 "main"
 (vert
  (text-view (make-id "title") "Farm Crap App" 40 fillwrap)
  (text-view (make-id "title") "Your fields" 30 fillwrap)
  (linear-layout
   (make-id "main-field-list")
   'vertical
   (layout 'fill-parent 'fill-parent 1 'left)
   (build-field-buttons))
  (spacer 20)
  (button (make-id "f3") "New field" 20 fillwrap
          (lambda ()
            (list
             (start-activity "newfield" 2 ""))))
  (text-view (make-id "measure-text") "Measurement units" 20 fi
  (spinner (make-id "units") (list metric imperial) fillwrap
           (lambda (v)
             (mutate-units! v)
             (list))))
  (spacer 20)
  (button (make-id "f2") "Calculator" 20 fillwrap
          (lambda () (list (start-activity "calc" 2 ""))))
  (button (make-id "email-button") "Export" 20 fillwrap
          (lambda ()
            (list
             (start-activity "email" 2 ""))))
  (button (make-id "about-button") "About" 20 fillwrap
          (lambda ()
            (list
             (start-activity "about" 2 ""))))
  (lambda (activity arg)
    (activity-layout activity))
  (lambda (activity arg)
    (list

U:--- starwisp.scm 9% (206,0) Git:master (Scheme +1 G++ Undo-Tree yas VHL AC Par U:--- starwisp.scm 45% (939,0) Git:master (Scheme +1 G++ Undo-Tree yas VHL
M-x
```

open source software

open source software
(free software)

Google



open source software
(free software)



open source software
(free software)

non-exclusivity



iOS version: Nicholas Outram
Plymouth Uni

Carrier 5:47 PM

[Back](#) Spreading Event

SOIL:

Medium Heavy

SIZE:

16 ha

TOTAL AMOUNT:

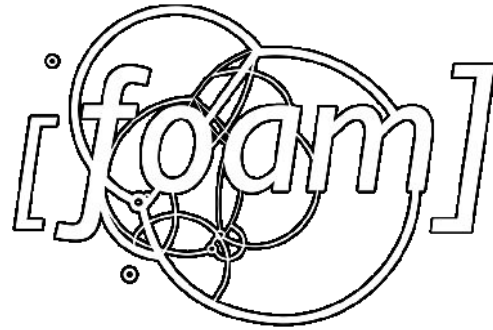
160 tonnes

AVAILABLE (NPK):

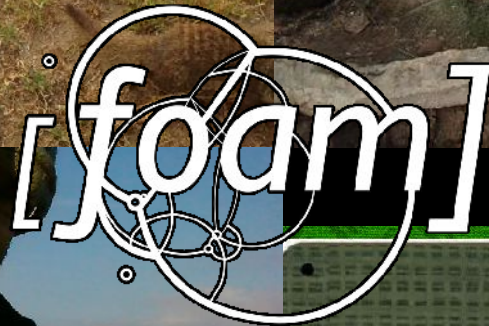
Field Fertilizer Savings		
N:	6.0 Kg/ha	£75.84
P:	19.0 Kg/ha	£188.48
K:	72.0 Kg/ha	£564.48

open source

“service provider”
to
“collaborator”



clear intellectual
property policy



dave@fo.am
<http://fo.am/kernow>