1
00:00:13,280 --> 00:00:11,720
yes good morning effort Wow I'm gonna

2
00:00:15,410 --> 00:00:13,290
start getting set up and get some

3
00:00:18,830 --> 00:00:15,420
equipment out but uh we'll let you know

4
00:00:20,929 --> 00:00:18,840
we have any questions everything and

5
00:00:22,700 --> 00:00:20,939
just a little quick thing as you're me

6
00:00:25,490 --> 00:00:22,710
harvesting both veggies approximately

7
00:00:27,920 --> 00:00:25,500
half the leaves from each plant my role

8
00:00:30,410 --> 00:00:27,930
during on over harvest is to park the

9
00:00:32,780 --> 00:00:30,420
astronauts and helping them out and

10
00:00:35,569 --> 00:00:32,790
think ahead for themselves and saving

11
00:00:37,340 --> 00:00:35,579
that valuable crew time and we can help

12
00:00:39,650 --> 00:00:37,350
them guide them through the written

13
00:00:41,270 --> 00:00:39,660

procedures and if there's any anomalies

14
00:00:44,900 --> 00:00:41,280
that come up we can help them work

15
00:00:47,810 --> 00:00:44,910
through that while during real-time ops

16
00:00:49,400 --> 00:00:47,820
again you'll be weighing the leaves once

17
00:00:51,799 --> 00:00:49,410
you cut them splitting the leaves up

18
00:00:53,750 --> 00:00:51,809
between science and then consumption and

19
00:00:55,790 --> 00:00:53,760
then weighing the leaves that you're

20
00:00:57,650 --> 00:00:55,800
gonna consume in MMD so there's plenty

21
00:00:59,779 --> 00:00:57,660
of work for both of you to do they're

22
00:01:01,639 --> 00:00:59,789
following a procedure that we write for

23
00:01:03,650 --> 00:01:01,649
them to do the activity and it's maybe

24
00:01:12,109 --> 00:01:03,660
the first time they've seen that

25
00:01:12,800 --> 00:01:12,119
procedure that's negative we weigh them

26
00:01:15,050 --> 00:01:12,810
on the ground

27
00:01:17,390 --> 00:01:15,060
but right now particularly for a vigil

28
00:01:19,160 --> 00:01:17,400
for B we're planting the seeds here and

29
00:01:21,020 --> 00:01:19,170
then packing them for flights then when

30
00:01:22,640 --> 00:01:21,030
the astronauts take out those pillows

31
00:01:24,590 --> 00:01:22,650
from stowage and insert them into the

32
00:01:29,929 --> 00:01:24,600
veggie units just add water to it it'll

33
00:01:31,249 --> 00:01:29,939
start growing copy all Dru thank you

34
00:01:32,600 --> 00:01:31,259
very much or look at them up hopefully

35
00:01:35,060 --> 00:01:32,610
everything's going pretty well it looks

36
00:01:36,800 --> 00:01:35,070
good it's a little bit slow get going

37
00:01:39,380 --> 00:01:36,810
until about two weeks in and then at two

38
00:01:41,960 --> 00:01:39,390

weeks it picks up growth and we just see

39
00:01:43,670 --> 00:01:41,970
it burst to life and we take it all the

40
00:01:46,130 --> 00:01:43,680
way until about four weeks when we do

41
00:01:47,539 --> 00:01:46,140
our first harvest and we cut it back to

42
00:01:49,310 --> 00:01:47,549
where we have just these small leaves

43
00:01:51,080 --> 00:01:49,320
left and then it starts all over where

44
00:01:53,050 --> 00:01:51,090
it continues to pick up growth and we

45
00:01:55,420 --> 00:01:53,060
take that to our next harvest

46
00:01:58,600 --> 00:01:55,430
going into digit walk back in being way

47
00:02:01,899 --> 00:01:58,610
to that correct half of them will go

48
00:02:05,499 --> 00:02:01,909
into the foil and then half of them will

49
00:02:07,060 --> 00:02:05,509
go into the ziploc she may need to cut

50
00:02:08,529 --> 00:02:07,070
off a couple more on that number six

51
00:02:11,410 --> 00:02:08,539
there's a there's a larger right leave

52
00:02:13,540 --> 00:02:11,420
it's like coming right for us yeah she's

53
00:02:18,350 --> 00:02:13,550
not she's okay to cut off the

54
00:02:24,260 --> 00:02:22,610
number five I just I don't want her to

55
00:02:26,720 --> 00:02:24,270
get so far that then she can't get

56
00:02:30,320 --> 00:02:26,730
samples put back where they need to go

57
00:02:32,060 --> 00:02:30,330
in generic containers so the astronauts

58
00:02:33,920 --> 00:02:32,070
will come in and for a cut and come

59
00:02:35,900 --> 00:02:33,930
again harvest they will take off the

60
00:02:37,850 --> 00:02:35,910
majority of our leaves they'll leave

61
00:02:39,830 --> 00:02:37,860
behind just the smallest youngest leaves

62
00:02:41,720 --> 00:02:39,840
to continue growing until we come back

63
00:02:43,160 --> 00:02:41,730

in a couple of weeks to do our next cut

64
00:02:45,170 --> 00:02:43,170
and coming in harvest these so we're

65
00:02:47,060 --> 00:02:45,180
looking at how our different nutrients

66
00:02:49,010 --> 00:02:47,070
varying across these late treatments

67
00:02:51,230 --> 00:02:49,020
because the longer we go through space

68
00:02:53,150 --> 00:02:51,240
the more we're really concentrating on

69
00:02:55,460 --> 00:02:53,160
providing high nutrient crops to our

70
00:02:58,070 --> 00:02:55,470
astronauts and they're gonna call down

71
00:02:59,060 --> 00:02:58,080
weights from the MMD measurements so

72
00:03:01,640 --> 00:02:59,070
they're gonna call down three light

73
00:03:03,020 --> 00:03:01,650
weights for each plant male plants yes

74
00:03:05,720 --> 00:03:03,030
so we're you know compare notes to make

75
00:03:08,060 --> 00:03:05,730
sure we've heard everything there okay

76
00:03:09,500 --> 00:03:08,070
and then the other half of the crops

77
00:03:11,990 --> 00:03:09,510
that they've been harvesting from each

78
00:03:13,430 --> 00:03:12,000
pillow they will sanitize on-orbit they

79
00:03:15,170 --> 00:03:13,440
weigh them in the mass measurement

80
00:03:17,330 --> 00:03:15,180
device so we actually can find out how

81
00:03:19,580 --> 00:03:17,340
much those leaves weigh in microgravity

82
00:03:21,710 --> 00:03:19,590
which is a new wonderful tool that we

83
00:03:23,420 --> 00:03:21,720
have then put these plant samples inside

84
00:03:25,160 --> 00:03:23,430
a little ziploc bag and then the

85
00:03:26,720 --> 00:03:25,170
astronauts will then consume those

86
00:03:28,400 --> 00:03:26,730
leaves as part of a taste test and if

87
00:03:29,830 --> 00:03:28,410
they have any left over they can have it

88
00:03:32,060 --> 00:03:29,840

with dinner

89
00:03:34,760 --> 00:03:32,070
Kabhi thumbs up and the plants look

90
00:03:36,590 --> 00:03:34,770
great Jessica good job this year our

91
00:03:39,440 --> 00:03:36,600
final harvest four bedroom four B is on

92
00:03:40,850 --> 00:03:39,450
Thanksgiving so the astronauts will be

93
00:03:42,710 --> 00:03:40,860
enjoying the food they're away from

94
00:03:44,660 --> 00:03:42,720
their families we'll be in here

95
00:03:47,449 --> 00:03:44,670
supporting them away from our families

96
00:03:50,990 --> 00:03:47,459
so it's a it's a little bit of a if you

97
00:03:53,420 --> 00:03:51,000
will a NASA space family having you know

98
00:03:56,010 --> 00:03:53,430
harvesting a part of their meal together